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STIC-Biotech/ChemLib

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ME

From: Jiang, Dong
Sent: Wednesday, July 05, 2006 11:08 AM
To: STIC-Biotech/ChemLib
Subject: 10/617,573

Please search SEQ ID NO:6 (standard & oligomer)

- issued & Pub.
- commercial

Please send results on paper to Dong Jiang in REM 4D70 (mail stop REM 4C70).

Thank you very much.

Dong

Dong Jiang

AU1646
REM - 4D70
571-272-0872
Mail stop REM - 4C70

Point of Contact:
Alexandra Wacławiw
Technical Info. Specialist
CEN 8A02 Tel: 308-441

Searcher: _____
Searcher Phone: _____
Date Searcher Picked up: 7/6/06
Date completed: 7/6/06
Searcher Prep Time: 10
Online Time: 12

Type of Search
NA# _____ AA# 2
S/L: _____ Oligomer: _____
Encode/Transl: _____
Structure #: _____ Text: _____
Inventor: _____ Litigation: _____

Vendors and cost where applicable
STN: _____
DIALOG: _____
QUESTEL/ORBIT: _____
LEXIS/NEXIS: _____
SEQUENCE SYSTEM: (✓)
WWW/Internet: _____
Other (Specify): _____

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GenCore version 5.1.9

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OM protein - protein search, using sw model

Run on: July 6, 2006, 08:15:41 ; Search time 51 Seconds
(without alignments) 303.783 Million cell

Title: US-10-617-573-6

Perfect score:

Sequence: 1 MRERPRLGEDSSLISLFLOV.....ERRLYRVSLACVCVRRPVMG 177

Scoring table: OLIGO

scoring table: OLIGO
Gapop 60.0 , Gapext 60.0

Searched: 650591 seqs. 87530628 residues

Word size : 1

Total number of hits satisfying above conditions: 640417

Minimum DB acc Length:

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Minimum DB seq length: 0
Maximum DB seq length: 300000000
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SIMMARTES

Result No.	Score	Query		Length	DB	ID	Description
		Match	%				
1	177	100.0	177	2	US-09-747-259-6		Sequence 6, Appli
2	177	100.0	177	2	US-09-816-744-6		Sequence 6, Appli
3	177	100.0	233	2	US-09-949-016-9008		Sequence 9008, Ap
4	159	89.8	161	2	US-09-480-297A-14		Sequence 14, Appl
5	159	89.8	161	2	US-09-836-385-2		Sequence 2, Appli
6	159	89.8	161	3	US-10-366-791-14		Sequence 14, Appl
7	25	14.1	169	2	US-09-480-297A-18		Sequence 18, Appl
8	25	14.1	169	2	US-09-836-385-4		Sequence 4, Appli
9	25	14.1	169	3	US-10-366-791-18		Sequence 18, Appl
10	13	7.3	144	2	US-09-480-297A-16		Sequence 16, Appl
11	13	7.3	144	3	US-10-366-791-16		Sequence 16, Appl
12	7	4.0	82	2	US-09-979-338A-27		Sequence 27, Appl
13	7	4.0	90	2	US-09-270-767-40219		Sequence 40219, A
14	7	4.0	90	2	US-09-270-767-55435		Sequence 55435, A
15	7	4.0	92	2	US-09-979-338A-31		Sequence 31, Appl
16	7	4.0	222	2	US-08-845-546-10		Sequence 10, Appl
17	7	4.0	283	2	US-09-486-192-6		Sequence 6, Appli
18	7	4.0	283	2	US-10-328-459A-6		Sequence 6, Appli
19	7	4.0	298	2	US-08-889-108-4		Sequence 4, Appli
20	7	4.0	298	2	US-08-120-601B-4		Sequence 4, Appli
21	7	4.0	298	5	PCT-US94-10358-4		Sequence 4, Appli
22	7	4.0	345	2	US-09-248-796A-23431		Sequence 23431, A
23	7	4.0	502	2	US-10-094-749-1961		Sequence 1961, Ap
24	7	4.0	509	2	US-08-845-546-2		Sequence 2, Appli
25	7	4.0	520	2	US-09-949-016-7107		Sequence 7107, Ap
26	7	4.0	534	2	US-09-134-000C-4924		Sequence 4924, Ap

100 6 3.4 121 1 US-08-211-980-18 Sequence 18, Appl

ALIGNMENTS

RESULT 1

US-09-747-259-6

; Sequence 6, Application US/09747259

; Patent No. 659645

; GENERAL INFORMATION:

; APPLICANT: Genentech, Inc.

; APPLICANT: Chen, Jian

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Fong, Sherman

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul

; APPLICANT: Grimaldi, Christopher

; APPLICANT: Gurney, Austin

; APPLICANT: Li, Hanzhong

; APPLICANT: Hillan, Kenneth

; APPLICANT: Tumas, Daniel

; APPLICANT: VanLookeren, Menno

; APPLICANT: Vandlen, Richard

; APPLICANT: Watanabe, Colin

; APPLICANT: Williams, P. Mickey

; APPLICANT: Wood, William

; APPLICANT: Yansura, Daniel

; TITLE OF INVENTION: IL-17 HOMOLOGOUS POLYPEPTIDES AND THERAPEUTIC USES THEREOF

; FILE REFERENCE: P1381R1C1P1(US)

; CURRENT APPLICATION NUMBER: US/09/747,259

; CURRENT FILING DATE: 2000-12-20

; PRIOR APPLICATION NUMBER: US 09/311,832

; PRIOR FILING DATE: 1999-05-14

; PRIOR APPLICATION NUMBER: US 60/172,096

; PRIOR FILING DATE: 1999-12-23

; PRIOR APPLICATION NUMBER: PCT/US99/31274

; PRIOR FILING DATE: 1999-12-30

; PRIOR APPLICATION NUMBER: US 60/175,481

; PRIOR FILING DATE: 2000-01-11

; PRIOR APPLICATION NUMBER: PCT/US00/04341

; PRIOR FILING DATE: 2000-02-18

; PRIOR APPLICATION NUMBER: PCT/US00/05841

; PRIOR FILING DATE: 2000-03-02

; PRIOR APPLICATION NUMBER: US 60/191,007

; PRIOR FILING DATE: 2000-03-21

; PRIOR APPLICATION NUMBER: PCT/US00/07532

; PRIOR FILING DATE: 2000-03-21

; PRIOR APPLICATION NUMBER: PCT/US00/15264

; PRIOR FILING DATE: 2000-06-02

; PRIOR APPLICATION NUMBER: US 60/213,087

; PRIOR FILING DATE: 2000-06-22

; PRIOR APPLICATION NUMBER: US 09/644,848

; PRIOR FILING DATE: 2000-08-22

; PRIOR APPLICATION NUMBER: PCT/US00/23328

; PRIOR FILING DATE: 2000-08-24

; PRIOR APPLICATION NUMBER: US 60/242,837

; PRIOR FILING DATE: 2000-10-24

; PRIOR APPLICATION NUMBER: PCT/US00/30873

; PRIOR FILING DATE: 2000-11-10

; PRIOR APPLICATION NUMBER: US 60/253,646

; PRIOR FILING DATE: 2000-11-28

; PRIOR APPLICATION NUMBER: PCT/US00/32678

; PRIOR FILING DATE: 2000-12-01

; NUMBER OF SEQ ID NOS: 39

; SEQ ID NO 6

; LENGTH: 177

; TYPE: PRT

; ORGANISM: Homo Sapien

US-09-747-259-6

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RESULT 2

US-09-816-744-6

; Sequence 6, Application US/09816744

; Patent No. 6599520

; GENERAL INFORMATION:

; APPLICANT: Chen, Jian

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Fong, Sherman

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul

; APPLICANT: Grimaldi, Christopher

; APPLICANT: Gurney, Austin

; APPLICANT: Li, Hanzhong

; APPLICANT: Hillan, Kenneth

; APPLICANT: Tumas, Daniel

; APPLICANT: VanLookeren, Menno

; APPLICANT: Vandlen, Richard

; APPLICANT: Watanabe, Colin

; APPLICANT: Williams, P. Mickey

; APPLICANT: Wood, William

; APPLICANT: Yansura, Daniel

; TITLE OF INVENTION: IL-17 HOMOLOGOUS POLYPEPTIDES AND THERAPEUTIC USES THEREOF

; FILE REFERENCE: P1381R1C1P2(US)

; CURRENT APPLICATION NUMBER: US/09/816,744

; CURRENT FILING DATE: 2001-03-22

; Prior application data removed - consult PALM or file wrapper

; NUMBER OF SEQ ID NOS: 39

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; TYPE: PRT

; ORGANISM: Homo Sapien

US-09-816-744-6

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RESULT 3

US-09-949-016-9008

; Sequence 9008, Application US/09949016

; Patent No. 6812339

; GENERAL INFORMATION:

; APPLICANT: VENTER, J. Craig et al.

; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

; FILE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF


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; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR FILING DATE: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,769
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
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; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 908
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; ORGANISM: Human
US-09-949-016-9008

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RESULT 4
US-09-480-297A-14
; Sequence 14, Application US/09480297A
; Patent No. 6562578
; GENERAL INFORMATION:
; APPLICANT: Gorman, Daniel M.
; APPLICANT: Bazan, J. Fernando
; APPLICANT: Kastelein, Robert A.
; TITLE OF INVENTION: PURIFIED MAMMALIAN CYTOKINES; RELATED REAGENTS
; FILE REFERENCE: DX0917K
; CURRENT APPLICATION NUMBER: US/09/480,297A
; CURRENT FILING DATE: 2000-01-10
; PRIOR APPLICATION NUMBER: 60/115,506
; PRIOR FILING DATE: 1999-01-11
; NUMBER OF SEQ ID NOS: 34
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; Sequence 14, Application US/09480297A
; Patent No. 6562578
; GENERAL INFORMATION:
; APPLICANT: Gorman, Daniel M.
; APPLICANT: Bazan, J. Fernando
; APPLICANT: Kastelein, Robert A.
; TITLE OF INVENTION: PURIFIED MAMMALIAN CYTOKINES; RELATED REAGENTS
; FILE REFERENCE: DX0917K
; CURRENT APPLICATION NUMBER: US/09/480,297A
; CURRENT FILING DATE: 2000-01-10
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; PRIOR FILING DATE: 1999-01-11
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RESULT 5
US-09-836-385-2
; Sequence 2, Application US/09836385
; Patent No. 6676339
; GENERAL INFORMATION:
; APPLICANT: Hurst, Stephen D.
; APPLICANT: Zurewsky, Sandra M.
; APPLICANT: Rennick, Donna M.
; TITLE OF INVENTION: Cytokine Uses; Compositions; Methods
; FILE REFERENCE: DX01088K
; CURRENT APPLICATION NUMBER: US/09/836,385
; CURRENT FILING DATE: 2001-04-17
; PRIOR APPLICATION NUMBER: US 60/198,488
; PRIOR FILING DATE: 2000-04-18
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 161
; TYPE: PRT
; ORGANISM: primate
US-09-836-385-2

```

```

Query Match      89.8%; Score 159; DB 2; Length 161;
Best Local Similarity 100.0%; Pred. No. 3.9e-145;
Matches 159; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 19 QVVAFLAMVMTHTYSHWPCSCPSKGQDTSEELLRWSTVPVPLEPARPNRHPECSRASE 78
Db 3 QVVAFLAMVMTHTYSHWPCSCPSKGQDTSEELLRWSTVPVPLEPARPNRHPECSRASE 62

Qy 79 DGPLNSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLQTGSHMDPRGNSSELLYHNQ 138
Db 63 DGPLNSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLQTGSHMDPRGNSSELLYHNQ 122

Qy 139 VFYRRPCHGKGTGKGYCLERRLYRVSLACVVRPRVMG 177
Db 123 VFYRRPCHGKGTGKGYCLERRLYRVSLACVVRPRVMG 161

```

```

RESULT 6
US-10-366-791-14
; Sequence 14, Application US/10366791
; Patent No. 7005501
; GENERAL INFORMATION:
; APPLICANT: Gorman, Daniel M.
; APPLICANT: Bazan, J. Fernando
; APPLICANT: Kastelein, Robert A.
; TITLE OF INVENTION: PURIFIED MAMMALIAN CYTOKINES; RELATED REAGENTS
; FILE REFERENCE: DX0917K
; CURRENT APPLICATION NUMBER: US/10/366,791
; CURRENT FILING DATE: 2003-02-14
; PRIOR APPLICATION NUMBER: US/09/480,297A
; PRIOR FILING DATE: 2000-01-10
; PRIOR APPLICATION NUMBER: 60/115,506
; PRIOR FILING DATE: 1999-01-11
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 14
; LENGTH: 161
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-366-791-14

```

```

Query Match      89.8%; Score 159; DB 3; Length 161;
Best Local Similarity 100.0%; Pred. No. 3.9e-145;
Matches 159; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 19 QVVAFLAMVMTHTYSHWPCSCPSKGQDTSEELLRWSTVPVPLEPARPNRHPECSRASE 78
Db 3 QVVAFLAMVMTHTYSHWPCSCPSKGQDTSEELLRWSTVPVPLEPARPNRHPECSRASE 62

Qy 79 DGPLNSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLQTGSHMDPRGNSSELLYHNQ 138

```

```
Db      63  DGPLNSRAISPRWYELDRDLNRLPQDLYHARCLCPHCVSLOTGSHMDPRGNSLLYHNQT 122
Qy      139 VFYRRPCHGEKTHKGYCLERRLYRVSLACVVRPMVG 177
          |||||
Db      123 VFYRRPCHGEKTHKGYCLERRLYRVSLACVVRPMVG 161

RESULT 7
US-09-480-297A-18
; Sequence 18, Application US/09480297A
; Patent No. 6562578
; GENERAL INFORMATION:
; APPLICANT: Gorman, Daniel M.
; APPLICANT: Bazan, J. Fernando
; APPLICANT: Kastelein, Robert A.
; TITLE OF INVENTION: PURIFIED MAMMALIAN CYTOKINES; RELATED REAGENTS
; FILE REFERENCE: DX0917K
; CURRENT APPLICATION NUMBER: US/09/480,297A
; CURRENT FILING DATE: 2000-01-10
; PRIOR APPLICATION NUMBER: 60/115,506
; PRIOR FILING DATE: 1999-01-11
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 18
; LENGTH: 169
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-480-297A-18

Query Match      14.1%; Score 25; DB 2; Length 169;
Best Local Similarity 100.0%; Pred. No. 3.1e-16;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      102 PQDLYHARCLCPHCVSLOTGSHMDP 126
          |||||
Db      94 PQDLYHARCLCPHCVSLOTGSHMDP 118

RESULT 8
US-09-836-385-4
; Sequence 4, Application US/09836385
; Patent No. 6676939
; GENERAL INFORMATION:
; APPLICANT: Hurst, Stephen D.
; APPLICANT: Zurawski, Sandra M.
; APPLICANT: Rennick, Donna M.
; TITLE OF INVENTION: Cytokine Uses; Compositions; Methods
; FILE REFERENCE: DX0108K
; CURRENT APPLICATION NUMBER: US/09/836,385
; CURRENT FILING DATE: 2001-04-17
; PRIOR APPLICATION NUMBER: US 60/198,488
; PRIOR FILING DATE: 2000-04-18
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 169
; TYPE: PRT
; ORGANISM: rodent
US-09-836-385-4

Query Match      14.1%; Score 25; DB 2; Length 169;
Best Local Similarity 100.0%; Pred. No. 3.1e-16;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      102 PQDLYHARCLCPHCVSLOTGSHMDP 126
          |||||
Db      94 PQDLYHARCLCPHCVSLOTGSHMDP 118

RESULT 9
US-10-366-791-18
; Sequence 18, Application US/10366791
; Patent No. 7005501
```

```
; GENERAL INFORMATION:
; APPLICANT: Gorman, Daniel M.
; APPLICANT: Bazan, J. Fernando
; APPLICANT: Kastelein, Robert A.
; TITLE OF INVENTION: PURIFIED MAMMALIAN CYTOKINES; RELATED REAGENTS
; FILE REFERENCE: DX0917K
; CURRENT APPLICATION NUMBER: US/10/366,791
; CURRENT FILING DATE: 2003-02-14
; PRIOR APPLICATION NUMBER: US/09/480,297A
; PRIOR FILING DATE: 2000-01-10
; PRIOR APPLICATION NUMBER: 60/115,506
; PRIOR FILING DATE: 1999-01-11
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 18
; LENGTH: 169
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-366-791-18

Query Match      14.1%; Score 25; DB 3; Length 169;
Best Local Similarity 100.0%; Pred. No. 3.1e-16;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      102 PQDLYHARCLCPHCVSLOTGSHMDP 126
          |||||
Db      94 PQDLYHARCLCPHCVSLOTGSHMDP 118

RESULT 10
US-09-480-297A-16
; Sequence 16, Application US/09480297A
; Patent No. 6562578
; GENERAL INFORMATION:
; APPLICANT: Gorman, Daniel M.
; APPLICANT: Bazan, J. Fernando
; APPLICANT: Kastelein, Robert A.
; TITLE OF INVENTION: PURIFIED MAMMALIAN CYTOKINES; RELATED REAGENTS
; FILE REFERENCE: DX0917K
; CURRENT APPLICATION NUMBER: US/09/480,297A
; CURRENT FILING DATE: 2000-01-10
; PRIOR APPLICATION NUMBER: 60/115,506
; PRIOR FILING DATE: 1999-01-11
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 16
; LENGTH: 144
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-480-297A-16

Query Match      7.3%; Score 13; DB 2; Length 144;
Best Local Similarity 100.0%; Pred. No. 9.4e-05;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      133 LYHNQTVFYRRPC 145
          |||||
Db      92 LYHNQTVFYRRPC 104

RESULT 11
US-10-366-791-16
; Sequence 16, Application US/10366791
; Patent No. 7005501
; GENERAL INFORMATION:
; APPLICANT: Gorman, Daniel M.
; APPLICANT: Bazan, J. Fernando
; APPLICANT: Kastelein, Robert A.
; TITLE OF INVENTION: PURIFIED MAMMALIAN CYTOKINES; RELATED REAGENTS
; FILE REFERENCE: DX0917K
; CURRENT APPLICATION NUMBER: US/10/366,791
; CURRENT FILING DATE: 2003-02-14
; PRIOR APPLICATION NUMBER: US/09/480,297A
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; PRIOR FILING DATE: 2000-01-10
; PRIOR APPLICATION NUMBER: 60/115,506
; PRIOR FILING DATE: 1999-01-11
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 16
; LENGTH: 144
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-366-791-16

Query Match 7.3%; Score 13; DB 3; Length 144;
Best Local Similarity 100.0%; Pred. No. 9.4e-05;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 133 LYHNQTVFYRRPC 145
Db 92 LYHNQTVFYRRPC 104

RESULT 12

US-09-979-338A-27
; Sequence 27, Application US/09979338A
; Patent No. 6846822
; GENERAL INFORMATION:
; APPLICANT: Hefron et al.
; TITLE OF INVENTION: Tagged Epitope Protein Transposable Element
; FILE REFERENCE: 61589
; CURRENT APPLICATION NUMBER: US/09/979,338A
; CURRENT FILING DATE: 2001-11-21
; PRIOR APPLICATION NUMBER: PCT/US00/14687
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/136,210
; PRIOR FILING DATE: 1999-05-26
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 27
; LENGTH: 82
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Amino acid
; OTHER INFORMATION: resolved product using the construct shown in FIG
; OTHER INFORMATION: 5.
US-09-979-338A-27

Query Match 4.0%; Score 7; DB 2; Length 82;
Best Local Similarity 100.0%; Pred. No. 34;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 22 AFLAVMV 28
Db 35 AFLAVMV 41

RESULT 13

US-09-270-767-40219
; Sequence 40219, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 40219
; LENGTH: 90
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-40219

Query Match 4.0%; Score 7; DB 2; Length 90;
Best Local Similarity 100.0%; Pred. No. 37;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 117 SLOGTGS 123
Db 54 SLOGTGS 60

RESULT 14

US-09-270-767-55435
; Sequence 55435, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 55435
; LENGTH: 90
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
US-09-270-767-55435

Query Match 4.0%; Score 7; DB 2; Length 90;
Best Local Similarity 100.0%; Pred. No. 37;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 117 SLOGTGS 123
Db 54 SLOGTGS 60

RESULT 15

US-09-979-338A-31
; Sequence 31, Application US/09979338A
; Patent No. 6846822
; GENERAL INFORMATION:
; APPLICANT: Hefron et al.
; TITLE OF INVENTION: Tagged Epitope Protein Transposable Element
; FILE REFERENCE: 61589
; CURRENT APPLICATION NUMBER: US/09/979,338A
; CURRENT FILING DATE: 2001-11-21
; PRIOR APPLICATION NUMBER: PCT/US00/14687
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/136,210
; PRIOR FILING DATE: 1999-05-26
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 31
; LENGTH: 92
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Amino acid
; OTHER INFORMATION: resolved product using the construct shown in f
; OTHER INFORMATION: FIG 9.
US-09-979-338A-31

Query Match 4.0%; Score 7; DB 2; Length 92;
Best Local Similarity 100.0%; Pred. No. 38;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 22 AFLAVMV 28
Db 42 AFLAVMV 48

RESULT 16

US-08-845-546-10

; Sequence 10, Application US/08845546
; Patent No. 6077949
; GENERAL INFORMATION:
; APPLICANT: Munroe, Donald
; APPLICANT: Gupta, Ashwani
; APPLICANT: Vyas, Tejal
; APPLICANT: McCallum, Kirk
; APPLICANT: Fan, Ermei
; TITLE OF INVENTION: CLONED GLUCAGON-LIKE PEPTIDE
; TITLE OF INVENTION: 2 RECEPTORS
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/845,546
; FILING DATE: 24-APR-1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Friebe, Thomas E.
; REGISTRATION NUMBER: 29,258
; REFERENCE/DOCKET NUMBER: 8607-018
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-790-9090
; TELEFAX: 212-869-8864
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 222 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; US-08-845-546-10

Query Match 4.0%; Score 7; DB 2; Length 222;
Best Local Similarity 100.0%; Pred. No. 80;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 SLISLFL 18
Db 3 SLISLFL 9

RESULT 17
US-09-486-192-6
; Sequence 6, Application US/09486192
; Patent No. 6521440
; GENERAL INFORMATION:
; APPLICANT: Estell, David A.
; TITLE OF INVENTION: Proteases From Gram-Positive Organisms
; FILE REFERENCE: GC386-US
; CURRENT APPLICATION NUMBER: US/09/486,192
; CURRENT FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: PCT/US98/18677
; PRIOR FILING DATE: 1998-09-08
; PRIOR APPLICATION NUMBER: EP9719637.2
; PRIOR FILING DATE: 1997-09-15
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 6
; LENGTH: 283
; TYPE: PRT
; ORGANISM: Haemophilis influenza

US-09-486-192-6

Query Match 4.0%; Score 7; DB 2; Length 283;
Best Local Similarity 100.0%; Pred. No. 99;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 SLISLFL 18
Db 47 SLISLFL 53

RESULT 18
US-10-328-459A-6
; Sequence 6, Application US/10328459A
; Patent No. 6905868
; GENERAL INFORMATION:
; APPLICANT: Genencor International, Inc.
; TITLE OF INVENTION: Proteases From Gram-Positive Organisms
; FILE REFERENCE: GC386-PCT
; CURRENT APPLICATION NUMBER: US/10/328,459A
; CURRENT FILING DATE: 2002-12-23
; PRIOR APPLICATION NUMBER: PCT/US98/
; PRIOR FILING DATE: 1998-09-08
; PRIOR APPLICATION NUMBER: EP9719637.2
; PRIOR FILING DATE: 1997-09-15
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 6
; LENGTH: 283
; TYPE: PRT
; ORGANISM: Haemophilis influenza
; US-10-328-459A-6

Query Match 4.0%; Score 7; DB 2; Length 283;
Best Local Similarity 100.0%; Pred. No. 99;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 SLISLFL 18
Db 47 SLISLFL 53

RESULT 19
US-08-889-108-4
; Sequence 4, Application US/08889108
; Patent No. 6103492
; GENERAL INFORMATION:
; APPLICANT: Yu, Lei
; TITLE OF INVENTION: Mu Opioid Receptors: Compositions and Methods
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arnold, White & Durkee
; STREET: P. O. Box 4433
; CITY: Houston
; STATE: TX
; COUNTRY: USA
; ZIP: 77210-4433
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/305,518
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Wilson, Mark B.
; REGISTRATION NUMBER: 37,259
; REFERENCE/DOCKET NUMBER: INDA005\WIM

TELECOMMUNICATION INFORMATION:
TELEPHONE: 512-418-3000
TELEFAX: 512-474-7577
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 298 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-889-108-4

Query Match 4.0%; Score 7; DB 2; Length 298;
Best Local Similarity 100.0%; Pred. No. 1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 95 DRDLNRL 101
Db 100 DRDLNRL 106

RESULT 20
US-08-120-601B-4
Sequence 4, Application US/08120601B
Patent No. 6235496
GENERAL INFORMATION:
APPLICANT: Yu, Lei
TITLE OF INVENTION: MU OPIOID RECEPTORS: COMPOSITIONS AND METHODS
TITLE OF INVENTION: METHODS
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: Arnold, White & Durkee
STREET: P. O. Box 4433
CITY: Houston
STATE: Texas
COUNTRY: USA
ZIP: 77210
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/120.601B
FILING DATE: 13-SEP-1993
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Wilson, Mark B.
REGISTRATION NUMBER: 37,259
REFERENCE/DOCKET NUMBER: INDA:002
TELECOMMUNICATION INFORMATION:
TELEPHONE: 512/474-7577
TELEFAX: 512/474-7577

INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 298 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-120-601B-4

Query Match 4.0%; Score 7; DB 2; Length 298;
Best Local Similarity 100.0%; Pred. No. 1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 95 DRDLNRL 101
Db 100 DRDLNRL 106

RESULT 21
PCT-US94-10358-4
Sequence 4, Application PC/TUS9410358
GENERAL INFORMATION:

APPLICANT:
TITLE OF INVENTION: MU OPIOID RECEPTORS: COMPOSITIONS AND METHODS
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: Arnold, White & Durkee
STREET: P. O. Box 4433
CITY: Houston
STATE: Texas
COUNTRY: USA
ZIP: 77210
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS/ASCII
SOFTWARE: PATENTIN RELEASE #1.0, VERSION #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US94/10358
FILING DATE: Concurrently herewith
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/120.601
FILING DATE: 13 SEPTEMBER 1993
ATTORNEY/AGENT INFORMATION:
NAME: WILSON, MARK B.
REGISTRATION NUMBER: 37,259
REFERENCE/DOCKET NUMBER: INDA005P--
TELECOMMUNICATION INFORMATION:
TELEPHONE: (512) 418-3000
TELEFAX: (713) 789-2679
TELEX: 79-0924
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 298 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
PCT-US94-10358-4

Query Match 4.0%; Score 7; DB 5; Length 298;
Best Local Similarity 100.0%; Pred. No. 1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 95 DRDLNRL 101
Db 100 DRDLNRL 106

RESULT 22
US-09-248-796A-23431
Sequence 23431, Application US/09248796A
Patent No. 6747137
GENERAL INFORMATION:
APPLICANT: Keith Weinstein et al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN
TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 107196.132
CURRENT APPLICATION NUMBER: US/09/248,796A
CURRENT FILING DATE: 1999-02-12
PRIOR APPLICATION NUMBER: US 60/074,725
PRIOR FILING DATE: 1998-02-13
PRIOR APPLICATION NUMBER: US 60/096,409
PRIOR FILING DATE: 1998-08-13
NUMBER OF SEQ ID NOS: 28208
SEQ ID NO 23431
LENGTH: 345
TYPE: PRT
ORGANISM: Candida albicans
FEATURE:
NAME/KEY: UNSURE
LOCATION: (44)
OTHER INFORMATION: Identity of amino acid sequences at the above locations are unknown
US-09-248-796A-23431

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Query Match          4.0%; Score 7; DB 2; Length 345;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 DSSLISL 16
Db 81 DSSLISL 87

RESULT 23
US-10-094-749-1961
; Sequence 1961, Application US/10094749
; Patent No. 6979557
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUJI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: ISONO, YUUKO
; APPLICANT: HIO, YURI
; APPLICANT: OTSUKA, KAORU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NAOHICO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTOTYUKI
; APPLICANT: NAGAHARI, KENJI
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: NOVEL FULL-LENGTH CDNA
; FILE REFERENCE: 084335/0160
; CURRENT APPLICATION NUMBER: US/10/094,749
; CURRENT FILING DATE: 2002-03-12
; PRIOR APPLICATION NUMBER: 60/350,435
; PRIOR FILING DATE: 2002-01-24
; PRIOR APPLICATION NUMBER: JP 2001-328381
; PRIOR FILING DATE: 2001-09-14
; NUMBER OF SEQ ID NOS: 3381
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1961
; LENGTH: 502
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-094-749-1961

Query Match          4.0%; Score 7; DB 2; Length 502;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 127 RGNSELL 133
Db 375 RGNSELL 381

RESULT 24
US-08-845-546-2
; Sequence 2, Application US/08845546
; Patent No. 6077949
; GENERAL INFORMATION:
; APPLICANT: Munroe, Donald
; APPLICANT: Gupta, Ashwani
; APPLICANT: Vyas, Tejal
; APPLICANT: McCallum, Kirk
; APPLICANT: Fan, Ermei
; TITLE OF INVENTION: CLONED GLUCAGON-LIKE PEPTIDE
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas

Query Match          4.0%; Score 7; DB 2; Length 345;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 DSSLISL 16
Db 81 DSSLISL 87

RESULT 23
US-10-094-749-1961
; Sequence 1961, Application US/10094749
; Patent No. 6979557
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUJI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: ISONO, YUUKO
; APPLICANT: HIO, YURI
; APPLICANT: OTSUKA, KAORU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NAOHICO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTOTYUKI
; APPLICANT: NAGAHARI, KENJI
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: NOVEL FULL-LENGTH CDNA
; FILE REFERENCE: 084335/0160
; CURRENT APPLICATION NUMBER: US/10/094,749
; CURRENT FILING DATE: 2002-03-12
; PRIOR APPLICATION NUMBER: 60/350,435
; PRIOR FILING DATE: 2002-01-24
; PRIOR APPLICATION NUMBER: JP 2001-328381
; PRIOR FILING DATE: 2001-09-14
; NUMBER OF SEQ ID NOS: 3381
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1961
; LENGTH: 502
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-094-749-1961

Query Match          4.0%; Score 7; DB 2; Length 502;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 127 RGNSELL 133
Db 375 RGNSELL 381

RESULT 24
US-08-845-546-2
; Sequence 2, Application US/08845546
; Patent No. 6077949
; GENERAL INFORMATION:
; APPLICANT: Munroe, Donald
; APPLICANT: Gupta, Ashwani
; APPLICANT: Vyas, Tejal
; APPLICANT: McCallum, Kirk
; APPLICANT: Fan, Ermei
; TITLE OF INVENTION: CLONED GLUCAGON-LIKE PEPTIDE
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas

Query Match          4.0%; Score 7; DB 2; Length 509;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 SLISLFL 18
Db 148 SLISLFL 154

RESULT 25
US-09-949-016-7107
; Sequence 7107, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7107
; LENGTH: 520
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-7107

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Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 145 CHGEKGT 151
Db 408 CHGEKGT 414
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Search completed: July 6, 2006, 08:17:04
Job time : 53 secs

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GenCore version 5.1.9
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: July 6, 2006, 08:07:11 ; Search time 298 Seconds
(without alignments)
549.422 Million cell updates/sec

Title: US-10-617-573-6

Perfect score: 177

Sequence: 1 MRERPLRGDSLSLFLQV.....ERRLYRVSACVCVRPRVMG 177

Scoring table: OLIGO

Gapop 60.0 , Gapext 60.0

Searched: 2849598 seqs, 925015592 residues

Word size : 1

Total number of hits satisfying chosen parameters: 2849598

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 100 summaries

Database : UniProt 7.2.*

1: uniprot_sprot.*

2: uniprot_trembl.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
1	177	100.0	177	1	IL17E_HUMAN	Qh293 homo sapien
2	159	89.8	161	2	Q2M3F0_HUMAN	Q2m3f0 homo sapien
3	25	14.1	153	2	Q8VHC9_MOUSE	Q8vhc9 mus musculus
4	25	14.1	169	2	Q8VHB8_MOUSE	Q8vhb8 mus musculus
5	9	5.1	1869	2	Q5CTI2_CRYPV	Q5cti2 cryptospori
6	8	4.5	316	2	Q8LEY5_ARATH	Q8ley5 arabidopsis
7	8	4.5	316	2	Q9LV54_ARATH	Q9lv54 arabidopsis
8	8	4.5	398	2	Q88YJ0_LACPL	Q88yj0 lactobacill
9	8	4.5	432	2	Q40LM7_DESAC	Q40lm7 desulfuromo
10	8	4.5	895	1	YP67_CAEEL	Q09216 caenorhabdi
11	7	4.0	75	2	Q8R7Z4_THETN	Q8r7z4 thermoanaer
12	7	4.0	84	2	Q2MFK6_STRTN	Q2mfk6 streptomyce
13	7	4.0	86	2	Q7SXM1_BRARE	Q7sxm1 brachydanio
14	7	4.0	100	2	Q74J51_LACJO	Q74j51 lactobacill
15	7	4.0	101	2	Q47EA5_DECAR	Q47ea5 dechloromon
16	7	4.0	106	2	Q8BNA0_MOUSE	Q8bna0 mus musculus
17	7	4.0	120	2	Q4PNH6_PBACT	Q4pnh6 uncultured
18	7	4.0	120	2	Q5C8N2_GADEN	Q5c8n2 simian aden
19	7	4.0	129	2	Q35Q42_9BRAD	Q35q42 bradyrhizob
20	7	4.0	129	2	Q2J1S6_RHOPA	Q2j1s6 rhodopsendo
21	7	4.0	129	2	Q6N0R0_RHOPA	Q6n0r0 rhodopsendo
22	7	4.0	135	2	Q3XYN6_ENTFC	Q3xyn6 enterococcu
23	7	4.0	136	2	Q4WIW0_CANFA	Q4wiw0 canis famli
24	7	4.0	148	2	Q677E9_HYAOR	Q677e9 hyacinthus
25	7	4.0	151	2	Q80UB5_MOUSE	Q80ub5 mus musculu
26	7	4.0	157	2	Q483X9_COLP3	Q483x9 colwellia p
27	7	4.0	160	2	Q5F7W1_NEIG1	Q5f7w1 neisseria g
28	7	4.0	160	2	Q3JTP2_NEIMA	Q3jtp2 neisseria m
29	7	4.0	160	2	Q9JYQ0_NEIMB	Q9jyq0 neisseria m
30	7	4.0	168	1	ISPFF_PROAC	Q6aav7 propionibac
31	7	4.0	175	2	Q9B829_CORPE	Q9b829 coryphopter

32	7	4.0	179	2	Q53ME7_ORYSA	Q53me7 oryza sativ
33	7	4.0	181	2	Q3URJ9_MOUSE	Q3urj9 mus musculu
34	7	4.0	185	2	Q40LN2_DESAC	Q40ln2 desulfuromo
35	7	4.0	198	2	Q8BKM8_MOUSE	Q8bkm8 mus musculu
36	7	4.0	208	2	Q7IRG6_HUMAN	Q7irg6 homo sapien
37	7	4.0	211	2	Q39BI2_HURS3	Q39bi2 burkholderi
38	7	4.0	222	2	Q6SNI5_COLGU	Q6sni5 colobus gue
39	7	4.0	225	2	Q7QG46_ANOGA	Q7qg46 anopheles g
40	7	4.0	227	2	Q8MUR8_HUMAN	Q8mur8 homo sapien
41	7	4.0	227	2	Q7XOF2_AERHY	Q7xof2 aeromonas h
42	7	4.0	227	2	Q2YVC8_STAAB	Q2yvc8 staphylococ
43	7	4.0	227	2	Q5HJ79_STAAC	Q5hj79 staphylococ
44	7	4.0	227	2	Q6GCH8_STAAS	Q6gch8 staphylococ
45	7	4.0	227	2	Q7A7R4_STAAN	Q7a7r4 staphylococ
46	7	4.0	227	2	Q8NYE6_STAAM	Q8nye6 staphylococ
47	7	4.0	227	2	Q99WT2_STAAM	Q99wt2 staphylococ
48	7	4.0	230	2	Q5NEE8_FRATT	Q5nee8 francisella
49	7	4.0	240	2	Q64NF7_BACFR	Q64nf7 bacteroides
50	7	4.0	240	2	Q63ZJ9_XENLA	Q63zj9 xenopus lae
51	7	4.0	246	2	Q31QO1_SYNP7	Q31qq1 synchococc
52	7	4.0	246	2	Q4KER7_PSEF5	Q4kfr7 pseudomonas
53	7	4.0	247	2	Q4J2Q2_AZOVI	Q4j2q2 azotobacter
54	7	4.0	249	2	Q4WIW1_CANFA	Q4wiw1 canis famli
55	7	4.0	251	2	Q67MW8_SYMTH	Q67mw8 symbiobacte
56	7	4.0	251	2	Y937_SYNP6	P05675 synchococc
57	7	4.0	256	2	Q3HDR1_TRIER	Q3hdr1 trichodesmi
58	7	4.0	257	2	Q8K276_MOUSE	Q8k276 mus musculu
59	7	4.0	261	2	Q825A5_STRAW	Q825a5 streptomyce
60	7	4.0	266	2	Q39MJ6_BURS3	Q39mj6 burkholderi
61	7	4.0	266	2	Q47OJ0_RALEJ	Q47oj0 ralstonia e
62	7	4.0	268	2	Q371S7_RHOPA	Q371s7 rhodopsendo
63	7	4.0	268	2	Q563A9_9VIRU	Q563a9 venezuelan
64	7	4.0	272	2	Q4KAX8_PSEF5	Q4kax8 pseudomonas
65	7	4.0	272	2	Q36277_9VIRU	Q36277 venezuelan
66	7	4.0	272	2	Q36278_9VIRU	Q36278 venezuelan
67	7	4.0	272	2	Q36290_9VIRU	Q36290 venezuelan
68	7	4.0	272	2	Q563B2_9VIRU	Q563b2 venezuelan
69	7	4.0	272	2	Q563B3_9VIRU	Q563b3 venezuelan
70	7	4.0	272	2	Q563B5_9VIRU	Q563b5 venezuelan
71	7	4.0	272	2	Q563B6_9VIRU	Q563b6 venezuelan
72	7	4.0	272	2	Q563C0_9VIRU	Q563c0 venezuelan
73	7	4.0	272	2	Q98757_9VIRU	Q98757 venezuelan
74	7	4.0	272	2	Q98758_9VIRU	Q98758 venezuelan
75	7	4.0	272	2	Q98761_9VIRU	Q98761 venezuelan
76	7	4.0	272	2	Q98762_9VIRU	Q98762 venezuelan
77	7	4.0	272	2	Q98764_9VIRU	Q98764 venezuelan
78	7	4.0	272	2	Q98765_9VIRU	Q98765 venezuelan
79	7	4.0	272	2	Q98766_9VIRU	Q98766 venezuelan
80	7	4.0	272	2	Q98767_9VIRU	Q98767 venezuelan
81	7	4.0	272	2	Q98768_9VIRU	Q98768 venezuelan
82	7	4.0	272	2	Q98769_9VIRU	Q98769 venezuelan
83	7	4.0	272	2	Q98770_9VIRU	Q98770 venezuelan
84	7	4.0	272	2	Q98771_9VIRU	Q98771 venezuelan
85	7	4.0	272	2	Q98772_9VIRU	Q98772 venezuelan
86	7	4.0	275	1	PHNC_WOLSU	Q7m8m4 wolinnella s
87	7	4.0	277	2	Q65PH4_BACLD	Q65ph4 bacillus li
88	7	4.0	282	2	Q2KWF2_BORAV	Q2kwf2 bordetella
89	7	4.0	282	2	Q5XOT3_LEGPA	Q5xot3 legionella
90	7	4.0	283	1	HTPX_HAEIN	P44840 haemophilus
91	7	4.0	283	2	Q4QMJ9_HAEI8	Q4qmj9 haemophilus
92	7	4.0	286	1	HTPX_PASMU	P57846 pasteurella
93	7	4.0	288	1	SPY3_HUMAN	Q4310 homo sapien
94	7	4.0	288	2	Q9NIR5_SHEEP	Q9nir5 ovis aries
95	7	4.0	288	2	Q3UUD2_MOUSE	Q3uud2 mus musculu
96	7	4.0	289	2	Q7U9S1_SYNPX	Q7u9s1 synchococc
97	7	4.0	291	1	Y1353_SYNY3	P42350 synchocyst
98	7	4.0	291	2	Q5LXK9_STRT1	Q5lxx9 streptococc
99	7	4.0	291	2	Q5M260_STRT2	Q5m260 streptococc
100	7	4.0	294	2	Q4K787_PSEF5	Q4k787 pseudomonas

ALIGNMENTS

RESULT 1
 ID IL17E HUMAN STANDARD; PRT; 177 AA.
 AC Q9H293; Q8IZV3; Q8WXB0;
 DT 31-JAN-2002, integrated into UniProtKB/Swiss-Prot.
 DT 01-MAR-2001, sequence version 1.
 DT 01-FEB-2006, entry version 36.
 DE Interleukin-17 precursor (IL-17E) (Interleukin-25) (IL-25).
 GN Name=IL17E; Synonyms=IL25; ORFNames=UNQ3120/PRO10272;
 OS Homo sapiens (Human).
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 OC Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
 OC Homo.
 OX NCBI_TaxID=9606;
 RN [1]
 RP NUCLEOTIDE SEQUENCE [MRNA] (ISOFORM 1).
 RX PubMed=11058597; DOI=10.1074/jbc.M008289200;
 RA Lee J., Ho W.-H., Maruoka M., Corpuz R.T., Baldwin D.T., Foster J.S.,
 RA Goddard A.D., Yansura D.G., Vandien R.L., Wood W.I., Gurney A.B.;
 RT "IL-17E, a novel proinflammatory ligand for the IL-17 receptor homolog
 IL-17R1.";
 RL J. Biol. Chem. 276:1660-1664(2001).
 RN [2]
 RP NUCLEOTIDE SEQUENCE [MRNA] (ISOFORM 2).
 RX MEDLINE=21629216; PubMed=11754819; DOI=10.1016/S1074-7613(01)00243-6;
 RA Fort M.M., Cheung J., Yen D., Li J., Zurawski S.M., Lo S., Menon S.,
 RA Clifford T., Hunte B., Lealey R., Muchamuel T., Hurst S.D.,
 RA Zurawski G., Leach M.M., Gorman D.M., Rennick D.M.;
 RT "IL-25 induces IL-4, IL-5, and IL-13 and Th2-associated pathologies in
 vivo.";
 RL Immunity 15:985-995(2001). DEC.
 RN [3]
 RP NUCLEOTIDE SEQUENCE [MRNA] (ISOFORM 2).
 RX TISSUE=Testis;
 MEDLINE=2224358; PubMed=12239140; DOI=10.1182/blood-2002-01-0012;
 RA Kim M.R., Manoukian R., Yeh R., Silbiger S.M., Danilenko D.M.,
 RA Scully S., Sun J., DeRose M.L., Stolina M., Chang D., Van G.Y.,
 RA Clarkin K., Nguyen H.Q., Yu Y.B., Jing S., Senaldi G., Elliott G.,
 RA Medlock E.S.;
 RT "Transgenic overexpression of human IL-17E results in eosinophilia, B-
 lymphocyte hyperplasia, and altered antibody production.";
 RL Blood 100:2330-2340(2002).
 RN [4]
 RP NUCLEOTIDE SEQUENCE [LARGE SCALE MRNA] (ISOFORM 1).
 RX MEDLINE=22887296; PubMed=12975309; DOI=10.1101/gr.1293003;
 RA Clark H.F., Gurney A.L., Abaya E., Baker K., Baldwin D.T., Brush J.,
 RA Chen J., Chow B., Chui C., Crowley C., Currell B., Deuel B., Dowd P.,
 RA Eaton D., Foster J.S., Grimaldi C., Gu Q., Haas P.E., Heldens S.,
 RA Huang A., Kim H.S., Klimowski L., Jin Y., Johnson S., Lee J.,
 RA Lewis L., Liao D., Mark M.R., Robbie E., Sanchez C., Schoenfeld J.,
 RA Seshagiri S., Simmons L., Singh J., Smith V., Stinson J., Vagts A.,
 RA Vandlen R.L., Watanabe C., Wiedand D., Woods K., Xie M.-H.,
 RA Yansura D.G., Yi S., Yu G., Yuan J., Zhang M., Zhang Z., Goddard A.D.,
 RA Wood W.I., Godowski P.J., Gray A.M.;
 RT "The secreted protein discovery initiative (SPDI), a large-scale
 effort to identify novel human secreted and transmembrane proteins: a
 bioinformatics assessment.";
 RL Genome Res. 13:2265-2270(2003).
 RN [5]
 RP NUCLEOTIDE SEQUENCE [LARGE SCALE MRNA] (ISOFORM 1).
 RX MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
 RA Strausberg R.L., Feingold E.A., Grouse L.H., Berge J.G.,
 RA Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
 RA Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
 RA Hopkins R.F., Jordan B., Moore T., Max S.I., Wang J., Hsieh F.,
 RA Diatchenko L., Maruina K., Ramey A.A., Rubin G.M., Hong L.,
 RA Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
 RA Brownstein M.J., Udén T.B., Toshiyuki S., Carninci P., Prange C.,
 RA Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
 RA Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
 RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
 RA Villalón D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,

RA Fahey J., Helton E., Kettelman M., Madan A., Rodriguez S., Sanchez A.,
 RA Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
 RA Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
 RA Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M.,
 RA Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smalilus D.E.,
 RA Schnarch A., Schein J.E., Jones S.J.M., Marra M.A.;
 RT "Generation and initial analysis of more than 15,000 full-length human
 and mouse cDNA sequences.";
 RL Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
 RN [6]
 RP PROTEIN SEQUENCE OF 33-47.
 RX PubMed=15340161; DOI=10.1110/ps.04682504;
 RA Zhang Z., Hensel W.J.;
 RT "Signal peptide prediction based on analysis of experimentally
 verified cleavage sites.";
 RL Protein Sci. 13:2819-2824(2004).
 CC -I- FUNCTION: Induces activation of NF-kappa-B and stimulates
 production of the proinflammatory chemokine IL-8. Proinflammatory
 cytokine favoring Th2-type immune responses.
 CC -I- SUBCELLULAR LOCATION: Secreted protein.
 CC -I- ALTERNATIVE PRODUCTS:
 CC Event=Alternative splicing; Named isoforms=2;
 CC Name=1;
 CC IsoId=Q9H293-1; Sequence=Displayed;
 CC Name=2;
 CC IsoId=Q9H293-2; Sequence=VSP_010159;
 CC -I- TISSUE SPECIFICITY: Expressed at low levels in several tissues,
 including brain, kidney, lung, prostate, testis, spinal cord,
 adrenal gland, and trachea.
 CC -I- SIMILARITY: Belongs to the IL-17 family.
 CC -----
 CC Copyrighted by the UniProt Consortium, see <http://www.uniprot.org/terms>
 CC Distributed under the Creative Commons Attribution-NoDerivs License
 CC -----
 DR EMBL: AF305200; AAC40848.1; -; mRNA.
 DR EMBL: AF458059; AAL57622.1; -; mRNA.
 DR EMBL: AF461739; AAN39038.1; -; mRNA.
 DR EMBL: AV359127; AAQ89484.1; -; mRNA.
 DR EMBL: BC069565; AAH69565.1; -; mRNA.
 DR HSSP: Q96PD4; IJFY.
 DR Ensembl: ENSG00000166090; Homo sapiens.
 DR HGNC: HGNC:13765; IL17E.
 DR MIM: 605658; Gene.
 DR GO: GO:0016020; C-membrane; NAS.
 DR GO: GO:0030380; F:interleukin-17E receptor binding; TAS.
 DR InterPro: IPR010345; IL17.
 DR Pfam: PF06083; IL17; 1.
 KW Alternative splicing; Cytokine; Direct protein sequencing;
 KW Glycoprotein; signal.
 FT SIGNAL 1 32
 FT CHAIN 33 177 Interleukin-17E.
 FT /FTID=PRO_0000015431.
 FT CARBOHYD 136 136 N-linked (GLCNAC...) (Potential).
 FT DISULFID 110 168 By similarity.
 FT DISULFID 115 170 By similarity.
 FT VARSPLIC 1 18 MRERPRLGDSLSLSLFL -> MY (in isoform 2).
 FT /FTID=VSP_010159.
 FT CONFLICT 177 177 G -> A (in Ref. 2).
 SQ SEQUENCE 177 AA; 20330 MW; 52D895710CD59871 CRC64;
 Query Match 100.0%; Score 177; DB 1; Length 177;
 Best Local Similarity 100.0%; Pred. No. 3.5e-187;
 Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Qy 1 MRERPRLGDSLSLSLFLQVAVFLAMVWGTHYSHWPCSCPKGQDTSSELLRSTVPVP 60
 Db 1 MRERPRLGDSLSLSLFLQVAVFLAMVWGTHYSHWPCSCPKGQDTSSELLRSTVPVP 60
 Qy 61 PLEPARNRHPESCRASEDCGPLNSRAISPMRYELDRDLNRLPDQLYHARCLCPHCVSLOT 120
 Db 61 PLEPARNRHPESCRASEDCGPLNSRAISPMRYELDRDLNRLPDQLYHARCLCPHCVSLOT 120
 Qy 121 GSHMDPRGNSSELLYHNQTFYRRPCHGKGTGKCYCLERLYRVSACVCVRPRVWG 177

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Db 121 GSHMDPRGNSBLLYHNTQVFFRRPCHGKGTGKGYCLERRLYRVSLACVCVRPMVG 177
|||||
RESULT 2
Q2M3F0 HUMAN
ID Q2M3F0 HUMAN PRELIMINARY; PRT; 161 AA.
AC Q2M3F0
DT 21-FEB-2006, integrated into UniProtKB/TrEMBL.
DT 21-FEB-2006, sequence version 1.
DT 21-FEB-2006, entry version 1.
DE Interleukin 17E, isoform 2.
GN Name=IL17E;
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
OC Homo.
OX NCBI_TaxID=9606;
RN [1]
RP NUCLEOTIDE SEQUENCE.
RC TISSUE=Pooled;
RX MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
RA Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
RA Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
RA Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
RA Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
RA Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
RA Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
RA Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
RA Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullihy S.J.,
RA Bosak S.A., McWeney P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
RA Richards S., Woxley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA Villalón D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
RA Fahey J., Helton E., Kettaman M., Madan A., Rodriguez S., Sanchez A.,
RA Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
RA Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
RA Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M.,
RA Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smallos D.E.,
RA Schnerch A., Schein J.E., Jones S.J.M., Marra M.A.;
RT "Generation and initial analysis of more than 15,000 full-length human
and mouse cDNA sequences."
RL Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903 (2002).
[2]
RP NUCLEOTIDE SEQUENCE.
RC TISSUE=Pooled;
RG NIH MGC Project;
RL Submitted (SEP-2005) to the EMBL/GenBank/DBJ databases.
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CC -----
DR EMBL; BC104931; AA104932.1; -; mRNA.
DR EMBL; BC104929; AA104930.1; -; mRNA.
SO SEQUENCE 161 AA; 18523 MW; 37685913FCF8151D CRC64;

Query Match 89.8%; Score 159; DB 2; Length 161;
Best Local Similarity 100.0%; Pred. No. 2.8e-167;
Matches 159; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 19 QVAFAMVMTHTYSHWPCSCPKGQDTSELLRWSTVPVPLEPARNRHPSCRASE 78
Db 3 QVAFAMVMTHTYSHWPCSCPKGQDTSELLRWSTVPVPLEPARNRHPSCRASE 62
|||||
Qy 79 DGPLNSRAISPRVLEDRDLNRLPDLYHARCLCPHCVSLSQTGSHMDPRGNSBLLYHNTQ 138
Db 63 DGPLNSRAISPRVLEDRDLNRLPDLYHARCLCPHCVSLSQTGSHMDPRGNSBLLYHNTQ 122
|||||
Qy 139 VFYRRPCHGKGTGKGYCLERRLYRVSLACVCVRPMVG 177
Db 123 VFYRRPCHGKGTGKGYCLERRLYRVSLACVCVRPMVG 161
|||||
RESULT 3

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Q8VHC9_MOUSE
ID Q8VHC9_MOUSE PRELIMINARY; PRT; 153 AA.
AC Q8VHC9_MOUSE
DT 01-MAR-2002, integrated into UniProtKB/TrEMBL.
DT 01-MAR-2002, sequence version 1.
DT 07-FEB-2006, entry version 15.
DE Interleukin 17E (Fragment).
GN Name=Il17e;
OS Mus musculus (Mouse).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia; Sciurognathi;
OC Muridae; Muridae; Murinae; Mus.
OX NCBI_TaxID=10090;
RN [1]
RP NUCLEOTIDE SEQUENCE.
RX MEDLINE=21571724; PubMed=11714825;
RA Pan G., French D., Mao W., Maruoka M., Risser P., Lee J., Foster J.,
RA Aggarwal S., Nicholes K., Guillet S., Schow P., Gurney A.L.;
RT "Forced expression of murine IL-17E induces growth retardation,
jaundice, a Th2-biased response, and multiorgan inflammation in
mice."
RT J. Immunol. 167:6559-6567 (2001).
RL J. Immunol. 167:6559-6567 (2001).
CC -----
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CC -----
DR EMBL; AY034088; AAK59816.1; -; mRNA.
DR HSP; Q96PD4; LTPY.
DR Ensembl; ENSMUSG00000040770; Mus musculus.
DR MGI; MGI:2155888; Il17e.
DR GO; GO:0005615; C:extracellular space; RCA.
DR GO; GO:0005125; F:cytokine activity; IDA.
DR GO; GO:0030222; P:eosinophil differentiation; IDA.
DR GO; GO:0006954; P:inflammatory response; IDA.
DR GO; GO:0006954; P:inflammatory response; IDA.
DR GO; GO:0009624; P:response to nematode; IDA.
DR GO; GO:0009624; P:response to pathogenic fungi; IDA.
DR InterPro; IPR010345; IL17.
DR Pfam; PF06083; IL17; 1.
DR CHAIN <1 153
FT NON_TER 1
FT SEQUENCE 153 AA; 17456 MW; A0EE897842E6EB39 CRC64;

Query Match 14.1%; Score 25; DB 2; Length 153;
Best Local Similarity 100.0%; Pred. No. 9.3e-19;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 102 PQDLYHARCLCPHCVSLSQTGSHMDP 126
Db 78 PQDLYHARCLCPHCVSLSQTGSHMDP 102
|||||

RESULT 4
Q8VHH8_MOUSE
ID Q8VHH8_MOUSE PRELIMINARY; PRT; 169 AA.
AC Q8VHH8_MOUSE
DT 01-MAR-2002, integrated into UniProtKB/TrEMBL.
DT 01-MAR-2002, sequence version 1.
DT 07-FEB-2006, entry version 14.
DE IL25.
GN Name=Il17e;
OS Mus musculus (Mouse).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia; Sciurognathi;
OC Muridae; Muridae; Murinae; Mus.
OX NCBI_TaxID=10090;
RN [1]
RP NUCLEOTIDE SEQUENCE.
RC STRAIN=C57BL/6;
RX MEDLINE=21629216; PubMed=11754819; DOI=10.1016/S1074-7613(01)00243-6;
RA Fort M.M., Cheung J., Yen D., Li J., Zurawski S.M., Lo S., Menon S.,
RA Clifford T., Hunte B., Lesley R., Muchamuel T., Hurst S.D.,
RA Zurawski G., Leach M.W., Gorman D.M., Rennick D.M.;

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RT "IL-25 induces IL-4, IL-5, and IL-13 and Th2-associated pathologies in
RT vivo.";
RL Immunity 15:985-995(2001).
RN [2]
RP NUCLEOTIDE SEQUENCE.
RC STRAIN=C57BL/6;
RA Hurst S.D., Muchamuel T., Gorman D.M., Gilbert J.M., Clifford T.,
RA Kwan S., Menon S., Seymour B., Jackson C., Kung T., Brieland J.,
RA Zurawski S.M., Chapman R., Zurawski G., Coffman R.L.;
RA Submitted (DEC-2001) to the EMBL/GenBank/DBJ databases.
RL -----
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CC -----
DR EMBL; AF458060; AAL57623.1; -; mRNA.
DR HSSP; Q96PDA; 1JPY.
DR Ensembl; ENSMUSG0000040770; Mus musculus.
DR MGI; MGI:2155888; Il17e.
DR GO; GO:0005615; C:extracellular space; RCA.
DR GO; GO:0005125; F:cytokine activity; IDA.
DR GO; GO:0030222; P:eosinophil differentiation; IDA.
DR GO; GO:0006954; P:inflammatory response; IMP.
DR GO; GO:0006954; P:inflammatory response; IDA.
DR GO; GO:0009624; P:response to nematode; IDA.
DR GO; GO:0009621; P:response to pathogenic fungi; IDA.
DR InterPro; IPR010345; IL17.
DR Pfam; PF06083; IL17; 1.
SQ SEQUENCE 169 AA; 19210 MW; CFAD2CEDE452C94D CRC64;

Query Match 14.1%; Score 25; DB 2; Length 169;
Best Local Similarity 100.0%; Pred. No. 16;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 102 PQDLYHARCLCPHCVSLQTGSHMDP 126
DB 94 PQDLYHARCLCPHCVSLQTGSHMDP 118

RESULT 5
Q5CTL2 CRYPV PRELIMINARY; PRT; 1869 AA.
AC Q5CTL2
DT 12-APR-2005, integrated into UniProtKB/TrEMBL.
DT 12-APR-2005, sequence version 1.
DT 07-FEB-2006, entry version 4.
DE Hypothetical protein.
GN ORFNames=cgd2_2550;
OS Cryptosporidium parvum.
OC Eukaryota; Alveolata; Apicomplexa; Coccidia; Eimeriida;
OC Cryptosporidiidae; Cryptosporidium.
OX NCBI_TaxID=5807;
RN [1]
RP NUCLEOTIDE SEQUENCE.
RC STRAIN=Iowa type II;
RX PubMed=15044751; DOI=10.1126/science.1094786;
RA Abrahamson M.S., Templeton T.J., Enomoto S., Abrahante J.E., Zhu G.,
RA Lancio C.A., Deng M., Liu C., Widmer G., Tzipori S., Buck G.A., Xu P.,
RA Bankier A.T., Dear P.H., Konfortov B.A., Spriggs H.F., Iyer L.,
RA Anantharaman V., Aravind L., Kapur V.;
RT "Complete genome sequence of the apicomplexan, Cryptosporidium
RT parvum.";
RL Science 304:441-445(2004).
CC -!- CAUTION: The sequence shown here is derived from an
CC EMBL/GenBank/DBJ whole genome shotgun (WGS) entry which is
CC preliminary data.
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CC -----
DR EMBL; AAE01000005; EAK88747.1; -; Genomic_DNA.
DR InterPro; IPR005479; CPSase_D2_ATP_bd.
DR PROSITE; PS00867; CPSASE_2; UNKNOWN_1.
KW Hypothetical protein.

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SQ SEQUENCE 1869 AA; 216714 MW; 305E8A137F605B88 CRC64;

Query Match 5.1%; Score 9; DB 2; Length 1869;
Best Local Similarity 100.0%; Pred. No. 5.9;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 DSSLISLFL 18
DB 1821 DSSLISLFL 1829

RESULT 6
Q9LV54 ARATH PRELIMINARY; PRT; 316 AA.
AC Q9LV54
DT 01-OCT-2002, integrated into UniProtKB/TrEMBL.
DT 01-OCT-2002, sequence version 1.
DT 07-FEB-2006, entry version 12.
DE Palmitoyl-protein thioesterase-like.
OS Arabidopsis thaliana (Mouse-ear cress).
OC Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
OC Spermatophyta; Magnoliophyta; eudicotyledons; core eudicotyledons;
OC rosids; eutrosids II; Brassicales; Brassicaceae; Arabidopsia.
OX NCBI_TaxID=3702;
RN [1]
RP NUCLEOTIDE SEQUENCE.
RX MEDLINE=22088475; PubMed=12093376;
RA Haas B.J., Volkovsky N., Town C.D., Troukhan M., Alexandrov N.,
RA Feldmann K.A., Flavell R.B., White O., Salzberg S.L.;
RT "Full-length messenger RNA sequences greatly improve genome
RT annotation.";
RL Genome Biol. 3:RESEARCH0029-RESEARCH0029(2002).
RN [2]
RP NUCLEOTIDE SEQUENCE.
RA Brover V., Troukhan M., Alexandrov N., Lu Y.-P., Flavell R.,
RA Feldmann K.;
RL Submitted (MAR-2002) to the EMBL/GenBank/DBJ databases.
CC -----
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CC -----
DR EMBL; AY085151; AAM61704.1; -; mRNA.
DR HSSP; P45478; 1E19.
DR GO; GO:0008474; F:palmitoyl-(protein) hydrolase activity; IEA.
DR GO; GO:0006464; P:protein modification; IEA.
DR InterPro; IPR002472; Palm thioest.
DR PANTHER; PTHR11247; Palm thioest.
DR Pfam; PF02089; Palm thioest.
DR PRINTS; PR00414; PPTHIESTRASE.
SQ SEQUENCE 316 AA; 34674 MW; 070077D11B67C373 CRC64;

Query Match 4.5%; Score 8; DB 2; Length 316;
Best Local Similarity 100.0%; Pred. No. 13;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 20 VVAFLAMV 27
DB 13 VVAFLAMV 20

RESULT 7
Q9LV54 ARATH PRELIMINARY; PRT; 316 AA.
AC Q9LV54
DT 01-OCT-2000, integrated into UniProtKB/TrEMBL.
DT 01-OCT-2000, sequence version 1.
DT 07-FEB-2006, entry version 17.
DE Palmitoyl-protein thioesterase-like (Hypothetical protein At5g47350).
GN OrderedLocNames=At5g47350;
OS Arabidopsis thaliana (Mouse-ear cress).
OC Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
OC Spermatophyta; Magnoliophyta; eudicotyledons; core eudicotyledons;
OC rosids; eutrosids II; Brassicales; Brassicaceae; Arabidopsia.

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NCBI_TaxID=3702;
(1)
RN NUCLEOTIDE SEQUENCE.
RX MEDLINE=20181125; PubMed=10718197; DOI=10.1093/dnares/7.1.31;
RA Sato S., Nakamura Y., Kaneko T., Katoh T., Asamizu E., Kotani H.,
RA Tabata S.;
RT "Structural analysis of Arabidopsis thaliana chromosome 5. X. Sequence
RT features of the regions of 3,076,755 bp covered by sixty P1 and TAC
RT clones.";
RL DNA Res. 7:31-63(2000).
(2)
RN NUCLEOTIDE SEQUENCE.
RP Southwick A., Karlin-Neumann G., Nguyen M., Lam B., Miranda M.,
RA Palm C.J., Bowser L., Jones T., Banh J., Carninci P., Chen H.,
RA Cheuk R., Chung M.K., Hayaishiaki Y., Ishida J., Kamiya A., Kawai J.,
RA Kim C., Lin J., Liu S.X., Narusaka M., Pham P.K., Sakano H.,
RA Sakurai T., Satou M., Seki M., Shim P., Yamada K., Shinozaki K.,
RA Ecker J., Theologis A., Davis R.W.;
RL Submitted (MAR-2002) to the EMBL/GenBank/DBJ databases.
(3)
RN NUCLEOTIDE SEQUENCE.
RP Tripp M., Southwick A., Karlin-Neumann G., Nguyen M., Miranda M.,
RA Palm C.J., Bowser L., Jones T., Banh J., Carninci P., Chen H.,
RA Cheuk R., Chung M.K., Hayaishiaki Y., Ishida J., Kamiya A., Kawai J.,
RA Kim C., Lin J., Liu S.X., Narusaka M., Pham P.K., Sakano H.,
RA Sakurai T., Satou M., Seki M., Shim P., Yamada K., Shinozaki K.,
RA Ecker J., Theologis A., Davis R.W.;
RL Submitted (JUL-2002) to the EMBL/GenBank/DBJ databases.
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EMBL; AB018117; BAA97169.1; -; Genomic_DNA.
DR EMBL; AY093073; AAM13072.1; -; mRNA.
DR EMBL; AY128772; AAM91172.1; -; mRNA.
DR HSSP; P45478; IE19.
DR TAIR; At5G47350; -.
DR GO; GO:0008474; F:palmitoyl-(protein) hydrolase activity; IEA.
DR GO; GO:0006464; P:protein modification; IEA.
DR InterPro; IPR002472; Palm_thioest.
DR PANTHER; PTHR11247; Palm_thioest; 1.
DR Pfam; PF02089; Palm_thioest; 1.
DR PRINTS; PR00414; PPHIESTRASE.
KW Hypothetical protein.
SQ SEQUENCE 316 AA; 34696 MW; 7548EA4E0E2DD12D CRC64;

Query Match 4.5%; Score 8; DB 2; Length 316;
Best Local Similarity 100.0%; Pred. No. 13;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 20 VVAFLAMV 27
Db 13 VVAFLAMV 20
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(1)
RN NUCLEOTIDE SEQUENCE.
ID Q88XJ0_LACPL PRELIMINARY; PRT; 398 AA.
AC Q88XJ0;
DT 01-JUN-2003, integrated into UniProtKB/TrEMBL.
DT 01-JUN-2003, sequence version 1.
DT 21-FEB-2006, entry version 19.
DE Multidrug transport protein.
GN OrderedLocNames=lp_0770;
OS Lactobacillus plantarum.
OC Bacteria; Firmicutes; Lactobacillales; Lactobacillaceae;
OC Lactobacillus.
OX NCBI_TaxID=1590;
RN (1)
RP NUCLEOTIDE SEQUENCE [LARGE SCALE GENOMIC DNA].
RC STRAIN=NCIMB 8826 / WCFS1;
RX MEDLINE=22480296; PubMed=12566566; DOI=10.1073/pnas.0337704100;
RA Kleerebezem M., Boekhorst J., van Kranenburg R., Molenaar D.,
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RA Kuipers O.P., Leer R., Turchini R., Peters S.A., Sandbrink H.M.,
RA Fiers M.W.E.J., Stiekema M., Klein Lankhorst R.M., Bron P.A.,
RA Hoffer S.M., Nierop Groot M.N., Kerkhoven R., De Vries M., Ursing B.,
RA De Vos W.M., Siezen R.J.;
RT "Complete genome sequence of Lactobacillus plantarum WCFS1.";
RT Proc. Natl. Acad. Sci. U.S.A. 100:1990-1995(2003).
CC -!- SUBCELLULAR LOCATION: Membrane; multi-pass membrane protein (By
CC similarity).
CC
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EMBL; AL935254; CAD63361.1; -; Genomic_DNA.
DR BiOCYC; LPLA220668:LP_0770-MONOMER; -.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0016020; C:membrane; IEA.
GO; GO:0015520; F:tetracycline:hydrogen antiporter activity; IEA.
DR GO; GO:0005215; P:transporter activity; IEA.
DR GO; GO:0015904; P:tetracycline transport; IEA.
DR GO; GO:0006810; P:transport; IEA.
DR InterPro; IPR007114; MFS_1.
DR InterPro; IPR011701; MFS_1.
DR InterPro; IPR005829; Sug_transporter.
DR InterPro; IPR001958; TCR_Tetra.
DR Pfam; PF07690; MFS_1; 1.
DR PRINTS; PR01035; TCRTEFA.
DR PROSITE; PS0850; MFS; 1.
DR PROSITE; PS00216; SUGAR_TRANSPORT_1; 1.
KW Complete proteome; Membrane; Transmembrane; Transport.
SQ SEQUENCE 398 AA; 43350 MW; C770B9751A5BE391 CRC64;

Query Match 4.5%; Score 8; DB 2; Length 398;
Best Local Similarity 100.0%; Pred. No. 17;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 13 LISLFLQV 20
Db 259 LISLFLQV 266
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(1)
RN NUCLEOTIDE SEQUENCE.
ID Q40LM7_DESAC PRELIMINARY; PRT; 432 AA.
AC Q40LM7;
DT 27-SEP-2005, integrated into UniProtKB/TrEMBL.
DT 27-SEP-2005, sequence version 1.
DT 07-FEB-2006, entry version 3.
DE Hypothetical protein precursor.
GN ORFNames=DaceDRAFT_0723;
OS Desulfofuromonas acetoxidans DSM 684.
OC Bacteria; Proteobacteria; Deltaproteobacteria; Desulfofuromonadales;
OC Desulfofuromonadaceae; Desulfofuromonas.
OX NCBI_TaxID=281689;
RN (1)
RP NUCLEOTIDE SEQUENCE.
RC STRAIN=DSM 684;
RG US DOE Joint Genome Institute (JGI-ORNL);
RA Copeland A., Lucas S., Lapidus A., Barry K., Detter C., Glavina T.,
RA Hammon N., Israni S., Pitluck S., Richardson P.;
RT "Sequencing of the draft genome and assembly of Desulfofuromonas
RT acetoxidans DSM 684.";
RL Submitted (JUN-2005) to the EMBL/GenBank/DBJ databases.
(2)
RN NUCLEOTIDE SEQUENCE.
RC STRAIN=DSM 684;
RG US DOE Joint Genome Institute (JGI-ORNL);
RA Larimer F., Land M.;
RT "Annotation of the draft genome assembly of Desulfofuromonas acetoxidans
RT DSM 684.";
RL Submitted (JUN-2005) to the EMBL/GenBank/DBJ databases.
CC -!- CAUTION: The sequence shown here is derived from an
CC EMBL/GenBank/DBJ whole genome shotgun (WGS) entry which is
CC preliminary data.
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CC -----
DR EMBL; AA001000100; EAM69980.1; -; Genomic_DNA.
KW Hypothetical protein; Signal. Potential.
FT SIGNAL 1 30
SQ SEQUENCE 432 AA; 46897 MW; 748EC30DBB5217E5 CRC64;

Query Match      4.5%; Score 8; DB 2; Length 432;
Best Local Similarity 100.0%; Pred. No. 18;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRERPRLG 8
Db 275 MRERPRLG 282
|||||

RESULT 10
ID YP67_CAEEL STANDARD; PRT; 895 AA.
AC Q09216;
DT 01-NOV-1997, integrated into UniProtKB/Swiss-Prot.
DT 11-JUN-2002, sequence version 2.
DT 07-FEB-2006, entry version 29.
DE Hypothetical protein B0495.7 in chromosome II.
GN ORFNames=B0495.7;
OS Caenorhabditis elegans.
OC Eukaryota; Metazoa; Nematoda; Chromadorea; Rhabditida; Rhabditoidea;
OC Rhabditidae; Peloderinae; Caenorhabditis.
OX NCBI_TaxID=6239;
RN [1]
RP NUCLEOTIDE SEQUENCE [LARGE SCALE GENOMIC DNA].
RC STRAIN=Bristol N2;
RX MEDLINE=99069613; PubMed=9851916; DOI=10.1126/science.282.5396.2012;
RG The C. elegans sequencing consortium;
RT "Genome sequence of the nematode C. elegans: a platform for
RT investigating biology.";
RL Science 282:2012-2018(1998).
RN [2]
RP SEQUENCE REVISION.
RG WormBase consortium;
RL Submitted (OCT-2001) to the EMBL/GenBank/DBJ databases.
CC -!- SUBCELLULAR LOCATION: Membrane; multi-pass membrane protein
CC (Potential).
CC -----
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CC -----
DR EMBL; U21317; AAA62526.2; -; Genomic_DNA.
DR Ensembl; B0495.7; Caenorhabditis elegans.
DR WormBase; WBGene0015206; B0495.7.
DR WormPep; B0495.7; CR29550.
DR InterPro; IPR007484; Peptidase_M28.
DR Pfam; PF04389; Peptidase_M28; 1.
KW Complete proteome; Hypothetical protein; Membrane; Transmembrane.
FT CHAIN 1 895
FT 1 Hypothetical protein B0495.7 in
FT chromosome II.
FT FTID=PRO_0000065088.
FT FT
FT TRANSMEM 35 55
FT TRANSMEM 424 444
FT TRANSMEM 453 473
FT TRANSMEM 493 513
FT TRANSMEM 545 565
FT TRANSMEM 588 608
FT TRANSMEM 614 634
SQ SEQUENCE 895 AA; 102122 MW; C0F3081A64E7AD1E CRC64;

Query Match      4.5%; Score 8; DB 1; Length 895;
Best Local Similarity 100.0%; Pred. No. 37;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 20 VVAFLAMV 27
Db 20 VVAFLAMV 27
|||||
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Db 424 VVAFLAMV 431
|||||

RESULT 11
Q8R7Z4_THETN PRELIMINARY; PRT; 75 AA.
AC Q8R7Z4;
DT 01-JUN-2002, integrated into UniProtKB/TrEMBL.
DT 01-JUN-2002, sequence version 1.
DT 07-FEB-2006, entry version 11.
DE Hypothetical protein.
GN OrderedLocNames=TTE2246;
OS Thermoanaerobacter tengcongensis.
OC Bacteria; Firmicutes; Clostridia; Thermoanaerobacteriales;
OC Thermoanaerobacteriaceae; Thermoanaerobacter.
OX NCBI_TaxID=119072;
RN [1]
RP NUCLEOTIDE SEQUENCE [LARGE SCALE GENOMIC DNA].
RC STRAIN=MB4 / JCM 11007;
RX MEDLINE=21992816; PubMed=11997336; DOI=10.1101/gr.219302;
RA Bao Q., Tian Y., Li W., Xu Z., Xuan Z., Hu S., Dong W., Yang J.,
RA Chen Y., Xue Y., Xu Y., Lai X., Huang L., Dong X., Ma Y., Ling L.,
RA Tan H., Chen R., Wang J., Yu J., Yang H.;
RT "A complete sequence of the T. tengcongensis genome.";
RL Genome Res. 12:689-700(2002).
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CC -----
DR EMBL; AE013168; AAM25395.1; -; Genomic_DNA.
DR BioCyc; TTE119072:TTE2246-MONOMER; -.
KW Complete proteome.
SQ SEQUENCE 75 AA; 8329 MW; E1C1F6D5F0541D9A CRC64;

Query Match      4.0%; Score 7; DB 2; Length 75;
Best Local Similarity 100.0%; Pred. No. 41;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 SLISLFL 18
Db 57 SLISLFL 63
|||||

RESULT 12
Q2MFK6_STRTN PRELIMINARY; PRT; 84 AA.
AC Q2MFK6;
DT 21-FEB-2006, integrated into UniProtKB/TrEMBL.
DT 21-FEB-2006, sequence version 1.
DT 21-FEB-2006, entry version 1.
DE Putative transposase.
GN Name=statC;
OS Streptomyces sp. DSM 40477.
OC Bacteria; Actinobacteria; Actinobacteridae; Actinomycetales;
OC Streptomycineae; Streptomycetaceae; Streptomyces.
OX NCBI_TaxID=265180;
RN [1]
RP NUCLEOTIDE SEQUENCE.
RC STRAIN=DSM 40477;
RA Aboohanab K.M., Schmidt-Beisner H., Wehmeier U.F., Weizel K.,
RA Vente A., Piepersberg W.;
RT "Comparison of the 'mixed' gene clusters for the biosynthesis of the
RT aminoglycoside antibiotics apramycin (Streptomyces tenebrarius DSM
RT 40477) and hygromycin B (Streptomyces hygroscopicus subsp.
RT hygroscopicus DSM 40578), which contain genes related to both the
RT biosynthesis of other aminoglycosides and cell-wall sugars.";
RL Submitted (FEB-2004) to the EMBL/GenBank/DBJ databases.
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CC -----
DR EMBL; AJ629123; CAF33035.1; -; Genomic_DNA.
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SQ SEQUENCE 84 AA; 9006 MW; 5774924451CB98EA CRC64;
Query Match 4.0%; Score 7; DB 2; Length 84;
Best Local Similarity 100.0%; Pred. No. 46;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 ERPRIGE 9
DB 57 ERPRIGE 63

RESULT 13
Q7SXM1_BRARE PRELIMINARY; PRT; 86 AA.
AC Q7SXM1;
DT 01-OCT-2003, integrated into UniProtKB/TrEMBL.
DT 01-OCT-2003, sequence version 1.
DT 07-FEB-2006, entry version 13.
DE Hypothetical protein zgc:66195.
GN ORFNames=zgc:66195;
OS Brachydanio rerio (zebrafish) (Danio rerio).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Actinopterygii; Neopterygii; Teleostei; Ostariophysi; Cypriniformes;
OC Cyprinidae; Danio.
OX NCBI_TaxID=7955;
RN [1]
RP NUCLEOTIDE SEQUENCE.
RC TISSUE=whole body;
RX MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
RA Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
RA Klausner R.D., Collins F.S., Wagner L., Shennan C.M., Schuler G.D.,
RA Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
RA Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh P.,
RA Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
RA Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
RA Brownstein M.J., Udwin T.B., Toshiyuki S., Carninci P., Frange C.,
RA Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
RA Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
RA Fahey J., Helton E., Kettner M., Madan A., Rodriguez S., Sanchez A.,
RA Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
RA Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
RA Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M.,
RA Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smalish D.E.,
RA Schnerch A., Schein J.E., Jones S.J.M., Marra M.A.;
RT "Generation and initial analysis of more than 15,000 full-length human
and mouse cDNA sequences."
RL Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
RN [2]
RP NUCLEOTIDE SEQUENCE.
RC TISSUE=whole body;
RG NIH MGC Project;
RL Submitted (AUG-2003) to the EMBL/GenBank/DBJ databases.
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CC -----
DR EMBL; BC055540; AAH55540.1; -; mRNA.
DR SMR; Q7SXM1; 8-86.
DR Ensembl; ENSDARG00000037860; Danio rerio.
DR ZFIN; ZDB-GENE-040426-1566; zgc:66195.
DR GO; GO:0005739; C:mitochondrion; IEA.
DR GO; GO:0004129; F:cytochrome-c oxidase activity; IEA.
DR GO; GO:0006118; F:electron transport; IEA.
DR InterPro; IPR003213; Cyt_c_ox6B.
DR PANTHER; PTHR11387; Cyt_c_ox6B; 1.
DR Pfam; PF02297; COX6B; 1.
DR ProDom; PD015172; Cyt_c_ox6B; 1.
KW Hypothetical protein.
SQ SEQUENCE 86 AA; 10087 MW; DB876877BA3BDB62 CRC64;
Query Match 4.0%; Score 7; DB 2; Length 86;

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Best Local Similarity 100.0%; Pred. No. 47;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 42 SKGQDTS 48
DB 46 SKGQDTS 52

RESULT 14
Q74J51_LACJO PRELIMINARY; PRT; 100 AA.
ID Q74J51_LACJO
AC Q74J51;
DT 05-JUL-2004, integrated into UniProtKB/TrEMBL.
DT 05-JUL-2004, sequence version 1.
DT 07-FEB-2006, entry version 11.
DE Hypothetical protein.
GN OrderedLocustNames=LJ1259; ORFNames=LJ_1259;
OS Lactobacillus johnsonii.
OC Bacteria; Firmicutes; Lactobacillales; Lactobacillaceae;
OC Lactobacillus.
OX NCBI_TaxID=33959;
RN [1]
RP NUCLEOTIDE SEQUENCE [LARGE SCALE GENOMIC DNA].
RC STRAIN=NCC 533;
RX PubMed=14983040; DOI=10.1073/pnas.0307327101;
RA Pridmore R.D., Berger B., Desiere F., Vilanova D., Barretto C.,
RA Pittet A.-C., Zwaehlen M.-C., Rouvet M., Altermann E., Barrangou R.,
RA Mollet B., Mercenier A., Klaenhammer T., Arigoni F., Schell M.A.;
RT "The genome sequence of the probiotic intestinal bacterium
Lactobacillus johnsonii NCC 533."
RL Proc. Natl. Acad. Sci. U.S.A. 101:2512-2517(2004).
RN [2]
RP Copyrighted by the UniProt Consortium, see http://www.uniprot.org/terms
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RP -----
DR EMBL; AE017198; AAS09080.1; -; Genomic_DNA.
DR BiOCYC; LJ0H257314.LJ1259-MONOMER; -.
KW Complete proteome; Hypothetical protein.
SQ SEQUENCE 100 AA; 11645 MW; A8C01849D52919D2 CRC64;
Query Match 4.0%; Score 7; DB 2; Length 100;
Best Local Similarity 100.0%; Pred. No. 55;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 14 ISLFLQV 20
DB 23 ISLFLQV 29

RESULT 15
Q47EA5_DECAR PRELIMINARY; PRT; 101 AA.
ID Q47EA5_DECAR
AC Q47EA5;
DT 13-SEP-2005, integrated into UniProtKB/TrEMBL.
DT 13-SEP-2005, sequence version 1.
DT 07-FEB-2006, entry version 4.
DE Hypothetical protein.
GN OrderedLocustNames=Baro_2082;
OS Dechloromonas aromatica (strain RCB).
OC Bacteria; Proteobacteria; Betaproteobacteria; Rhodocyclales;
OC Rhodocyclaceae; Dechloromonas.
OX NCBI_TaxID=159087;
RN [1]
RP NUCLEOTIDE SEQUENCE [LARGE SCALE GENOMIC DNA].
RA Copeland A., Lucas S., Lapidus A., Barry K., Detter J.C., Glavina T.,
RA Hammon N., Israni S., Pitluck S., Di Bartolo G., Tring S., Kellar K.,
RA Schmutz J., Larimer F., Land M., Ivanova N., Richardson P.;
RT "Complete sequence of Dechloromonas aromatica RCB."
RL Submitted (AUG-2005) to the EMBL/GenBank/DBJ databases.
RN [2]
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RP -----
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DR EMBL; CP000089; AA246826.1; -: Genomic DNA.
 KW Complete proteome; Hypothetical protein.
 SQ SEQUENCE 101 AA; 10082 MW; D5EA33A8787C33BE CRC64;
 Query Match 4.0%; Score 7; DB 2; Length 101;
 Best Local Similarity 100.0%; Pred. No. 55;
 Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Qy 58 PVPPLP 64
 Db 23 PVPPLP 29
 RESULT 16
 QBNAO MOUSE
 ID QBNAO MOUSE PRELIMINARY; PRT; 106 AA.
 AC QBNAO;
 DT 01-MAR-2003, integrated into UniProtKB/TrEMBL.
 DT 01-MAR-2003, sequence version 1.
 DT 07-FEB-2006, entry version 19.
 DE 12 days embryo eyeball cDNA, RIKEN full-length enriched library,
 DE clone:ID230018M15 product:hypothetical Cyclin-like containing protein,
 DE full insert sequence.
 GN Name=Pxl7; Synonyms=D230018M15Rik;
 OS Mus musculus (Mouse).
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 OC Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia; Sciurognathi;
 OC Muridae; Muridae; Murinae; Mus.
 OX NCBI_TaxID=10090;
 RN [1]
 RP NUCLEOTIDE SEQUENCE.
 RC STRAIN=C57BL/6J; TISSUE=EyeBall;
 RX MEDLINE=9279253; PubMed=10349636; DOI=10.1016/S0076-6879(99)03004-9;
 RA Carninci P., Hayashizaki Y.;
 RT "High-efficiency full-length cDNA cloning.";
 RL Methods Enzymol. 303:19-44(1999).
 RN [2]
 RP NUCLEOTIDE SEQUENCE.
 RC STRAIN=C57BL/6J; TISSUE=EyeBall;
 RX PubMed=16141072; DOI=10.1126/science.1112014;
 RA Oyama R., Ravasi T., Lenhard B., Wells C., Kodzius R., Shimokawa K.,
 RA Bajic M.B., Brenner S.E., Batalov S., Forrest A.R., Zavolan M.,
 RA Davis M.J., Wilming L.G., Aidinis V., Allen J.E.,
 RA Ambesi-Impombato A., Apweiler R., Aturaliya R.N., Bailey T.L.,
 RA Bansal M., Baxter L., Beisel K.W., Bersano T., Bono H., Chalk A.M.,
 RA Chiu K.P., Choudhury V., Christoffels A., Clutterbuck D.R.,
 RA Crowe M.L., Dalla E., Dalrymple B.P., de Bono B., Della Gatta G.,
 RA Fletcher C.F., Fukushima T., Furuno M., Fukui S., Gariboldi M.,
 RA Georgii-Hemming P., Gingeras T.R., Gojobori T., Green R.E.,
 RA Gustincich S., Harbers M., Hayashi Y., Hensch T.K., Hirokawa N.,
 RA Hill D., Huminecki L., Iacono M., Ikeo K., Iwama A., Ishikawa T.,
 RA Jakt M., Kanapin A., Katoh M., Kawasawa Y., Kelso J., Kitamura H.,
 RA Kitano H., Kollas G., Kriehnan S.P., Kruger A., Kummerfeld S.K.,
 RA Kurochkin I.V., Larsen L.F., Lazarevic D., Lipovich L., Liu J.,
 RA Liuni S., McWilliam S., Madan Babu M., Madera M., Marchionni L.,
 RA Matsuda H., Matsuzawa S., Miki H., Mignone F., Miyake S., Morris K.,
 RA Mottaqui-Tabar S., Mulder N., Nakano N., Nakachi H., Ng P.,
 RA Nilsson R., Nishiguchi S., Nishikawa S., Nori F., Ohara O.,
 RA Okazaki Y., Orlando V., Pang K.C., Pavan W.J., Pavoni G., Pesole G.,
 RA Petrovsky N., Piazza S., Reed J.C., Reid J.F., Ring B.Z., Ringwald M.,
 RA Roat B., Ruan Y., Salzberg S.L., Sandelin A., Schneider C.,
 RA Schonbach C., Sekiguchi K., Sempile C.A., Seno S., Sessa L.,
 RA Shibata Y., Shimada H., Shimada K., Silva D., Sinclair B.,
 RA Sperling S., Stupka E., Sugiuira K., Sultana R., Takenaka Y., Taki K.,
 RA Tamao K., Tan S.L., Tang S.C., Taylor M.S., Tegner J., Teichmann S.A.,
 RA Ueda H.R., van Nimwegen E., Verardo R., Wei C.L., Yagi K.,
 RA Yamanishi H., Zabarovsky E., Zhu S., Zimmer A., Hide W., Bult C.,
 RA Grimmond S.M., Teasdale R.D., Liu E.T., Brusic V., Quackenbush J.,
 RA Wahlestedt C., Teasdale J.S., Hume D.A., Kai C., Sasaki D., Tomaru Y.,
 RA Fukuda S., Kanamori-Katayama M., Suzuki M., Aoki J., Arakawa T.,
 RA Iida J., Imamura K., Itoh M., Kato T., Kawaji H., Kawagashira N.,

RA Kawashima T., Kojima M., Kondo S., Konno H., Nakano K., Ninomiya N.,
 RA Nishio T., Okada M., Plessey C., Shibata K., Shiraki T., Suzuki S.,
 RA Tagami N., Waki K., Watahiki A., Okamura-Oho Y., Suzuki H., Kawai J.,
 RA Hayashizaki Y.;
 RT "The transcriptional landscape of the mammalian genome.";
 RL Science 309:1559-1563(2005).
 RN [3]
 RP NUCLEOTIDE SEQUENCE.
 RC STRAIN=C57BL/6J; TISSUE=EyeBall;
 RX PubMed=16141073; DOI=10.1126/science.1112009;
 RG RIKEN Genome Exploration Research Group, and Genome Science Group
 RG (Genome Network Core Team) and the PANTOM Consortium;
 RT "Antisense Transcription in the Mammalian Transcriptome.";
 RL Science 309:1564-1566(2005).
 RN [4]
 RP NUCLEOTIDE SEQUENCE.
 RC STRAIN=C57BL/6J; TISSUE=EyeBall;
 RX MEDLINE=22354683; PubMed=12466851; DOI=10.1038/nature01266;
 RA Okazaki Y., Furuno M., Kasukawa T., Adachi J., Bono H., Kondo S.,
 RA Nikaido I., Osato N., Saito R., Suzuki H., Yamanaka I., Kiyosawa H.,
 RA Yagi K., Tomaru Y., Hasegawa Y., Nogami A., Schonbach C., Gojobori T.,
 RA Baldarelli R., Hill D.P., Bult C., Hume D.A., Quackenbush J.,
 RA Schriml L.M., Kanapin A., Matsuda H., Batalov S., Beisel K.W.,
 RA Blake J.A., Bradt D., Brusci V., Chothia C., Corbani L.E., Cousine S.,
 RA Dalla E., Dragani T.A., Fletcher C.F., Forrest A., Frazer K.S.,
 RA Gaasterland T., Gariboldi M., Gissi C., Godzik A., Gough J.,
 RA Grimmond S., Gustincich S., Hirokawa N., Jackson I.J., Jarvis E.D.,
 RA Kanai A., Kawai J., Kawasawa Y., Kedzierski R.M., King B.B.,
 RA Konagaya A., Kurochkin I.V., Lee Y., Lenhard B., Lyons P.A.,
 RA Maglott D.R., Maltais L., Marchionni L., McKenzie L., Miki H.,
 RA Nagashima T., Numata K., Okido T., Pavan W.J., Pertea G., Pesole G.,
 RA Petrovsky N., Pillai R., Pontius J.U., Qi D., Ramachandran S.,
 RA Ravasi T., Reed J.C., Reid J.J., Reid J., Ring B.Z., Ringwald M.,
 RA Sandelin A., Schneider C., Sempile C.A., Setou M., Shimada K.,
 RA Sultana R., Takenaka Y., Taylor M.S., Teasdale R.D., Tomita M.,
 RA Verardo R., Wagner L., Wahlestedt C., Wang Y., Watanabe Y., Wells C.,
 RA Wilming L.G., Wyszewski-Boris A., Yanagisawa M., Yang I., Yang L.,
 RA Yuan Z., Zavolan M., Zhu Y., Zimmer A., Carninci P., Hayashizaki Y.,
 RA Hirokawa N., Kondo S., Konno H., Nakamura M., Sakazume N., Sato K.,
 RA Shiraki T., Waki K., Kawai J., Aizawa K., Arakawa T., Fukuda S.,
 RA Hara A., Hachizume W., Imotani K., Ishii Y., Itoh M., Kagawa I.,
 RA Miyazaki A., Sakai K., Sasaki D., Shibata K., Shinagawa A.,
 RA Yasunishi A., Yoshino M., Waterston R., Lander E.S., Rogers J.,
 RA Birney E., Hayashizaki Y.;
 RT "Analysis of the mouse transcriptome based on functional annotation of
 RT 60,770 full-length cDNAs.";
 RL Nature 420:563-573(2002).
 RN [5]
 RP NUCLEOTIDE SEQUENCE.
 RC STRAIN=C57BL/6J; TISSUE=EyeBall;
 RX MEDLINE=21085660; PubMed=1217851; DOI=10.1038/35055500;
 RA Kawai J., Shingawa A., Shibata K., Yoshino M., Itoh M., Ishii Y.,
 RA Arakawa T., Hara A., Fukunishi Y., Konno H., Adachi J., Fukuda S.,
 RA Aizawa K., Iwama M., Nishi K., Kiyosawa H., Kondo S., Yamanaka I.,
 RA Saito T., Okazaki Y., Gojobori T., Bono H., Kasukawa T., Saito R.,
 RA Kadoya K., Matsuda H.A., Ashburner M., Batalov S., Casavant T.,
 RA Fleischmann W., Gaasterland T., Gissi C., King B., Kochiwa H.,
 RA Kuehl P., Lewis S., Matsuo Y., Nikaido I., Pesole G., Quackenbush J.,
 RA Schriml L.M., Staubli F., Suzuki R., Tomita M., Wagner L., Washio T.,
 RA Sakai K., Okido T., Furuno M., Aono H., Baldarelli R., Bargh G.,
 RA Blake J., Boffelli D., Bojunga N., Carninci P., de Bonaldo M.F.,
 RA Brownstein M.J., Bult C., Fletcher C., Fujita M., Gariboldi M.,
 RA Gustincich S., Hill D., Hofmann M., Hume D.A., Kamiya M., Lee N.H.,
 RA Lyons P., Marchionni L., Mashima J., Mazzarelli J., Mombaerts P.,
 RA Nordone P., Ring B., Ringwald M., Rodriguez I., Sakamoto N.,
 RA Sasaki H., Sato K., Schonbach C., Seya T., Shibata Y., Storch K.-F.,
 RA Suzuki H., Toyooka K., Wang K.H., Weitz C., Whittaker C., Wilming L.,
 RA Wyszewski-Boris A., Yoshida K., Hasegawa Y., Kawai H., Kohtoku S.,
 RA Hayashizaki Y.;
 RT "Functional annotation of a full-length mouse cDNA collection.";
 RL Nature 409:685-690(2001).
 RN [6]
 RP NUCLEOTIDE SEQUENCE.


```
RC STRAIN=C57BL/6J; TISSUE=Eyeball;
RX MEDLINE=20499374; PubMed=11042159; DOI=10.1101/gr.145100;
RA Carninci P., Shibata Y., Hayateu M., Sugahara Y., Shibata K., Itoh M.,
RA Konno H., Okazaki Y., Muramatsu M., Hayashizaki Y.;
RT "Normalization and subtraction of cap-trapper-selected cDNAs to
RT prepare full-length cDNA libraries for rapid discovery of new genes.";
RL Genome Res. 10:1617-1630(2000).
RN [7]
RP NUCLEOTIDE SEQUENCE.
RC STRAIN=C57BL/6J; TISSUE=Eyeball;
RX MEDLINE=20530913; PubMed=11076861; DOI=10.1101/gr.152600;
RA Shibata K., Itoh M., Aizawa K., Nagaoka S., Sasaki N., Carninci P.,
RA Konno H., Akiyama J., Nishi K., Kitsuina T., Tashiro H., Itoh M.,
RA Sumi N., Ishii Y., Nakamura S., Hazama M., Nishine T., Harada A.,
RA Yamamoto R., Matsumoto H., Sakaguchi S., Ikegami T., Kashiwagi K.,
RA Fujiwaka S., Inoue K., Togawa Y., Izawa M., Ohara E., Watahiki M.,
RA Yoneda Y., Ishikawa T., Ozawa K., Tanaka T., Matsuura S., Kawai J.,
RA Okazaki Y., Muramatsu M., Inoue Y., Kira A., Hayashizaki Y.;
RT "RIKEN integrated sequence analysis (RISA) system-384-format
RT sequencing pipeline with 384 multicapillary sequencer.";
RL Genome Res. 10:1757-1771(2000).
RN [8]
RP NUCLEOTIDE SEQUENCE.
RC STRAIN=C57BL/6J; TISSUE=Eyeball;
RA Adachi J., Aizawa K., Akimura T., Arakawa T., Bono H., Carninci P.,
RA Fukuda S., Furuno M., Hanagaki T., Hara A., Hashizume W.,
RA Hayashida K., Hayateu N., Hiramoto K., Hiraoka T., Hirozane T.,
RA Hori F., Imotani K., Iehi Y., Itoh M., Kagawa I., Kasukawa T.,
RA Katoh H., Kawai J., Kojima Y., Kondo S., Konno H., Kouda M., Koya S.,
RA Kurihara C., Matsuyama T., Miyazaki A., Murata M., Nakamura M.,
RA Nihi K., Nomura K., Numazaki R., Ohno M., Ohsato N., Okazaki Y.,
RA Saito R., Saitoh H., Sakai C., Sakai K., Sakazume N., Sano H.,
RA Sasaki D., Shibata K., Shinagawa A., Shiraki T., Sogabe Y., Tagami M.,
RA Tagawa A., Takahashi F., Takaku-Akahira S., Takeda Y., Tanaka T.,
RA Tomaru A., Toya T., Yasunishi A., Muramatsu M., Hayashizaki Y.;
RL Submitted (APR-2002) to the EMBL/GenBank/DBJ databases.
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CC -----
DR EMBL: AK084297; BAC39158.1; -; mRNA.
DR MGI: MGI:2442376; D230018M15R1K.
DR MGI: MGI:3052506; Fbx17.
KW Cyclin; Hypothetical protein.
SQ SEQUENCE 106 AA; 12146 MW; 5678FEF240FD31DD CRC64;

Query Match 4.0%; Score 7; DB 2; Length 106;
Best Local Similarity 100.0%; Pred. No. 58;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 163 RVSLACV 169
Db 8 RVSLACV 14
|||||

RESULT 17
Q4PNH6_9BACT PRELIMINARY; PRT; 120 AA.
AC Q4PNH6;
DT 19-JUL-2005, integrated into UniProtKB/TrEMBL.
DT 19-JUL-2005, sequence version 1.
DT 07-FEB-2006, entry version 5.
DE Putative molybdopterin converting factor large subunit.
OS uncultured marine bacterium 66A03.
OC Bacteria; environmental samples.
OX NCBI_TaxID=331677;
RN [1]
RP NUCLEOTIDE SEQUENCE.
RX PubMed=16008504;
RA Sabehi G., Loy A., Jung K.H., Partha R., Spudich J.L., Isaacson T.,
RA Hirschberg J., Wagner M., Beja O.;
RT "New insights into metabolic properties of marine bacteria encoding
RT proteorhodopsins.";
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RL PLoS Biol. 3:E273-E273(2005).
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CC -----
DR EMBL: DQ065755; AAY68323.1; -; Genomic DNA.
DR GO: GO:0006777; P:Mo-molybdopterin cofactor biosynthesis; IEA.
DR InterPro: IPR034448; Mo biosynth MoAE.
DR PANTHER: PTHR10311; Mo_Biosynth_MoAE; 1.
DR Pfam: PF02391; MoAE; 1.
SQ SEQUENCE 120 AA; 13805 MW; 98762D82C2051AE7 CRC64;

Query Match 4.0%; Score 7; DB 2; Length 120;
Best Local Similarity 100.0%; Pred. No. 66;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 DSSLISL 16
Db 8 DSSLISL 14
|||||

RESULT 18
Q5CN2_9ADEN PRELIMINARY; PRT; 120 AA.
ID Q5CN2_9ADEN
AC Q5CN2;
DT 12-APR-2005, integrated into UniProtKB/TrEMBL.
DT 12-APR-2005, sequence version 1.
DT 07-FEB-2006, entry version 5.
DE E4 ORF4.
OS Simian adenovirus 1.
OC Viruses; dsDNA viruses, no RNA stage; Adenoviridae; Mastadenovirus.
OX NCBI_TaxID=310540;
RN [1]
RP NUCLEOTIDE SEQUENCE.
RC STRAIN=ATCC VR-195;
RX PubMed=15914845; DOI=10.1099/vir.0.80757-0;
RA Kovacs G.M., Harrach B., Zakhartchouk A.N., Davison A.J.;
RT "Complete genome sequence of simian adenovirus 1: an Old World monkey
RT adenovirus with two fiber genes";
RL J. Gen. Virol. 86:1681-1686(2005).
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CC -----
DR EMBL: AY771780; AAX19425.1; -; Genomic DNA.
DR InterPro: IPR008680; M_adenovirusE4.
DR Pfam: PF05385; Adeno E4; 1.
SQ SEQUENCE 120 AA; 14340 MW; 9E66D988D2C1DA96 CRC64;

Query Match 4.0%; Score 7; DB 2; Length 120;
Best Local Similarity 100.0%; Pred. No. 66;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 116 VSLQTGS 122
Db 105 VSLQTGS 111
|||||

RESULT 19
Q35Q42_9BRAD PRELIMINARY; PRT; 129 AA.
ID Q35Q42_9BRAD
AC Q35Q42;
DT 06-DEC-2005, integrated into UniProtKB/TrEMBL.
DT 06-DEC-2005, sequence version 1.
DT 07-FEB-2006, entry version 3.
DE Protocatechuate 4,5-dioxygenase (EC 1.13.11.8).
GN ORFNames=BradDRAFT_6516;
OS Bradyrhizobium sp. BTA1.
OC Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales;
OC Bradyrhizobiaceae; Bradyrhizobiium.
OX NCBI_TaxID=288000;
RN [1]
RP NUCLEOTIDE SEQUENCE.
```

```
RC STRAIN=BTA11;
RG US DOE Joint Genome Institute (JGI-PGF);
RA Copeland A., Lucas S., Lapidus A., Barry K., Dettler J.C., Glavina T.,
RA Hammon N., Israni S., Pitluck S., Richardson P.;
RT "Sequencing of the draft genome and assembly of Bradyrhizobium sp
RT BTA11.";
RL Submitted (OCT-2005) to the EMBL/GenBank/DBJ databases.
RN [2]
RN NUCLEOTIDE SEQUENCE.
RP STRAIN=BTA11;
RG US DOE Joint Genome Institute (JGI-ORNL);
RA Larimer F., Land M.;
RT "Annotation of the draft genome of Bradyrhizobium sp. BTA11.";
RL Submitted (NOV-2005) to the EMBL/GenBank/DBJ databases.
CC -1- CAUTION: The sequence shown here is derived from an
CC EMBL/GenBank/DBJ whole genome shotgun (WGS) entry which is
CC preliminary data.
CC -----
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CC -----
DR EMBL; AALJ01000001; EAP31965.1; -; Genomic DNA.
DR GO; GO:0016491; F:oxidoreductase activity; IEA.
DR GO; GO:0018579; P:protocatechuate 4,5-dioxygenase activity; IEA.
DR Dioxigenase; Oxidoreductase.
KW Dioxigenase; Oxidoreductase.
SQ SEQUENCE 129 AA; 14673 MW; C31AAPFC70910BCA6 CRC64;

Query Match 4.0%; Score 7; DB 2; Length 129;
Best Local Similarity 100.0%; Pred. No. 71;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 94 LDRDLNR 100
Db 65 LDRDLNR 71

RESULT 20
Q2J1S6 RHOPA
ID Q2J1S6 RHOPA PRELIMINARY; PRT; 129 AA.
AC Q2J1S6;
DT 07-MAR-2006, integrated into UniProtKB/TrEMBL.
DT 07-MAR-2006, sequence version 1.
DT 07-MAR-2006, entry version 1.
DE Protocatechuate 4,5-dioxygenase (EC 1.13.11.8).
GN ORFNames=RPB_0873;
OS Rhodopseudomonas palustris Haa2.
OC Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales;
OC Bradyrhizobiaceae; Rhodopseudomonas.
OX NCBI_TaxID=316058;
RN [1]
RN NUCLEOTIDE SEQUENCE.
RP STRAIN=Haa2;
RG US DOE Joint Genome Institute;
RA Copeland A., Lucas S., Lapidus A., Barry K., Dettler J.C., Glavina T.,
RA Hammon N., Israni S., Pitluck S., Chain P., Malfatti S., Shin M.,
RA Vergez L., Schmutz J., Larimer F., Land M., Hauser L., Pelletier D.A.,
RA Kyrgides N., Anderson I., Oda Y., Harwood C.S., Richardson P.;
RT "Complete sequence of Rhodopseudomonas palustris Haa2.";
RL Submitted (JAN-2006) to the EMBL/GenBank/DBJ databases.
CC -----
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CC -----
DR EMBL; CP000250; ABD05584.1; -; Genomic DNA.
DR Dioxigenase; Oxidoreductase.
KW Dioxigenase; Oxidoreductase.
SQ SEQUENCE 129 AA; 14690 MW; 99B1A3C6C856CB07 CRC64;

Query Match 4.0%; Score 7; DB 2; Length 129;
Best Local Similarity 100.0%; Pred. No. 71;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 94 LDRDLNR 100
Db 65 LDRDLNR 71
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Db 65 LDRDLNR 71

RESULT 21
Q6NOR0 RHOPA
ID Q6NOR0 RHOPA PRELIMINARY; PRT; 129 AA.
AC Q6NOR0;
DT 05-JUL-2004, integrated into UniProtKB/TrEMBL.
DT 05-JUL-2004, sequence version 1.
DT 07-FEB-2006, entry version 9.
DE Protocatechuate 4,5-dioxygenase, alpha chain (EC 1.13.11.8).
GN Name=1g8; OrderedLocusNames=RP44701;
OS Rhodopseudomonas palustris.
OC Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales;
OC Bradyrhizobiaceae; Rhodopseudomonas.
OX NCBI_TaxID=1076;
RN [1]
RN NUCLEOTIDE SEQUENCE [LARGE SCALE GENOMIC DNA].
RP STRAIN=CGA009 / ATCC BAA-98;
RX PubMed=14704707; DOI=10.1038/nbt923;
RA Larimer F.W., Chain P., Hauser L., Lamerdin J.E., Malfatti S., Do L.,
RA Land M.L., Pelletier D.A., Beatty J.T., Lang A.S., Tabita F.R.,
RA Gibson J.L., Hanson T.E., Bobst C., Torres y Torres J.L., Peres C.,
RA Harrison P.H., Gibson J., Harwood C.S.;
RT "Complete genome sequence of the metabolically versatile
RT photosynthetic bacterium Rhodopseudomonas palustris.";
RL Nat. Biotechnol. 22:55-61(2004).
CC -----
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CC -----
DR EMBL; BX572608; CAE30141.1; -; Genomic DNA.
DR HSP; P22635; 1B4U.
DR Biocyc; RPA1258594; RPA4701-MONOMER; -.
DR GO; GO:0016491; F:oxidoreductase activity; IEA.
DR GO; GO:0018579; P:protocatechuate 4,5-dioxygenase activity; IEA.
DR InterPro; IPR011986; Xdiol_dioase_Liga.
DR Pfam; PF07746; L1ga; 1.
KW Complete proteome; Dioxigenase; Oxidoreductase.
SQ SEQUENCE 129 AA; 14675 MW; 47777121A31F76BB CRC64;

Query Match 4.0%; Score 7; DB 2; Length 129;
Best Local Similarity 100.0%; Pred. No. 71;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 94 LDRDLNR 100
Db 65 LDRDLNR 71

RESULT 22
Q3XYN6 ENTFC
ID Q3XYN6 ENTFC PRELIMINARY; PRT; 135 AA.
AC Q3XYN6;
DT 11-OCT-2005, integrated into UniProtKB/TrEMBL.
DT 11-OCT-2005, sequence version 1.
DT 07-FEB-2006, entry version 3.
DE PTS system fructose subfamily IIA component.
GN ORFNames=EfaeDRAFT_0625;
OS Enterococcus faecium DO.
OC Bacteria; Firmicutes; Lactobacillales; Enterococcaceae; Enterococcus.
OX NCBI_TaxID=333849;
RN [1]
RN NUCLEOTIDE SEQUENCE.
RP STRAIN=DO;
RG US DOE Joint Genome Institute (JGI-PGF);
RA Copeland A., Lucas S., Lapidus A., Barry K., Dettler C., Glavina T.,
RA Hammon N., Israni S., Pitluck S., Richardson P.;
RT "Sequencing of the draft genome and assembly of Enterococcus faecium
RT DO.";
RL Submitted (JUN-2005) to the EMBL/GenBank/DBJ databases.
RN [2]
RN NUCLEOTIDE SEQUENCE.
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RC STRAIN=DO;
RG US DOE Joint Genome Institute (JGI-ORN);
RA Larimer F., Land M.;
RT "Annotation of the draft genome assembly of *Enterococcus faecium* DO.";
RL Submitted (JUN-2005) to the EMBL/GenBank/DBJ databases.
RN [3]
RP NUCLEOTIDE SEQUENCE.
RC STRAIN=DO;
RG US DOE Joint Genome Institute (JGI-PGF);
RA Copeland A., Lucas S., Lapidus A., Barry K., Detter C., Glavina T.,
RH Hammon N., Israni S., Pitluck S., Richardson P.;
RL Submitted (JUN-2005) to the EMBL/GenBank/DBJ databases.
CC -!- CAUTION: The sequence shown here is derived from an
CC EMBL/GenBank/DBJ whole genome shotgun (WGS) entry which is
CC preliminary data.
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CC -----
DR EMBL; AAK03000049; EAK09335.1; -; Genomic DNA.
DR GO; GO:0016021; C: integral to membrane; IEA.
DR GO; GO:0009401; P: phosphoenolpyruvate-dependent sugar phospho. . .; IEA.
DR InterPro; IPR004701; PTS_EIIA_cru.
DR Pfam; PF03610; EIIA-man; 1.
DR PROSITE; PS51096; PTS_EIIA_TYPE 4; 1.
SQ SEQUENCE 135 AA; 15069 MW; 345037CA10E9B95B CRC64;

Query Match 4.0%; Score 7; DB 2; Length 135;
Best Local Similarity 100.0%; Pred. No. 74; Mismatches 0; Indels 0; Gaps 0;
Matches 7; Conservative 0;

QY 7 LGEDSSL 13
|||||
DB 104 LGEDSSL 110

RESULT 23
Q4W1W0 CANFA PRELIMINARY; PRT; 136 AA.
AC Q4W1W0_ CANFA
DT 05-JUL-2005, integrated into UniProtKB/TrEMBL.
DT 07-FEB-2006, sequence version 1.
DE Protein tyrosine phosphatase-like, member a, splice variant PTPLA_{DS}.
GN Name=ptpla;
OS Canis familiaris (Dog).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Laurasiatheria; Carnivora; Fissipedia; Canidae;
OC Canis.
OX NCBI_TaxID=9615;
RN [1]
RP NUCLEOTIDE SEQUENCE.
RC TISSUE=Skeletal muscle;
RX PubMed=15829503; DOI=10.1093/hmg/ddi151;
RA Pele M., Tired L., Kessler J.-L., Blot S., Panthier J.-J.;
RT "SINE exonic insertion in the *PTPLA* gene leads to multiple splicing
RT defects and segregates with the autosomal recessive centronuclear
RT myopathy in dogs.";
RL Hum. Mol. Genet. 14:1417-1427(2005).

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CC -----
DR EMBL; AJ876905; CAI46276.1; -; mRNA.
DR InterPro; IPR001844; Chaprin_Cpn60.
DR InterPro; IPR007482; PTPLA.
DR InterPro; IPR000387; TYR phosphatase.
DR PANTHER; PTHR11035; PTPLA; 1.
DR PROSITE; PS00296; CHAPERONINS CPN60; UNKNOWN 1.
DR PROSITE; PS00383; TYR PHOSPHATASE_1; UNKNOWN 1.
SQ SEQUENCE 136 AA; 15258 MW; 37C88B967CD2F020 CRC64;

Query Match 4.0%; Score 7; DB 2; Length 136;

Best Local Similarity 100.0%; Pred. No. 74; Mismatches 0; Indels 0; Gaps 0;
Matches 7; Conservative 0;
QY 148 EKGTHKG 154
|||||
DB 61 EKGTHKG 67

RESULT 24
Q677E9 HYAOR PRELIMINARY; PRT; 148 AA.
AC Q677E9;
DT 11-OCT-2004, integrated into UniProtKB/TrEMBL.
DT 11-OCT-2004, sequence version 1.
DT 21-FEB-2006, entry version 13.
DE Ubiquitin-conjugating enzyme (Fragment).
GN Name=UBC;
OS Hyacinthus orientalis (Common hyacinth).
OC Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
OC Spermatophyta; Magnoliophyta; Liliopsida; Asparagales; Hyacinthaceae;
OC Hyacinthus.
OX NCBI_TaxID=82025;
RN [1]
RP NUCLEOTIDE SEQUENCE.
RC TISSUE=Floral meristem 5-10 days when regenerated in vitro;
RA Fan J.H., Ma Y., Zhang X.S.;
RT "Hyacinthus orientalis Ubiquitin-conjugating enzyme (UBC) mRNA,
RT expressed during the regeneration of floral bud.";
RL Submitted (AUG-2003) to the EMBL/GenBank/DBJ databases.
CC -!- SIMILARITY: Belongs to the ubiquitin-conjugating enzyme family.
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CC -----
DR EMBL; AY389584; AAT08675.1; -; mRNA.
DR SMR; Q677E9; 18-146.
DR GO; GO:0016874; F: ligase activity; IEA.
DR GO; GO:0004842; F: ubiquitin-protein ligase activity; IEA.
DR GO; GO:0006512; P: ubiquitin cycle; IEA.
DR InterPro; IPR000608; UBC-conjugat_E2.
DR InterPro; IPR001680; WD40.
DR Pfam; PF00179; UQ_con; 1.
DR ProDom; PD000461; UBC_conjugat; 1.
DR SMART; SM00212; UBCc; 1.
DR PROSITE; PS00183; UBIQUITIN_CONJUGAT_1; 1.
DR PROSITE; PS00127; UBIQUITIN_CONJUGAT_2; 1.
DR PROSITE; PS00678; WD_REPEATS_1; 1.
KW Ligase; Ubl conjugation pathway.
FT NON TER 1
FT NON TER 1
SQ SEQUENCE 148 AA; 16505 MW; A9D75A469EE37B3 CRC64;

Query Match 4.0%; Score 7; DB 2; Length 148;
Best Local Similarity 100.0%; Pred. No. 81; Mismatches 0; Indels 0; Gaps 0;
Matches 7; Conservative 0;
QY 12 SLISLFL 18
|||||
DB 11 SLISLFL 17

RESULT 25
Q80UB5 MOUSE PRELIMINARY; PRT; 151 AA.
AC Q80UB5;
DT 01-JUN-2003, integrated into UniProtKB/TrEMBL.
DT 01-JUN-2003, sequence version 1.
DT 07-FEB-2006, entry version 14.
DE Glucagon-like peptide 2 receptor (Fragment).
GN Name=Glp2r;
OS Mus musculus (Mouse).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia; Sciurognathi;
OC Muroidae; Muridae; Murinae; Mus.

OX NCBI_TaxID=10090;
RN [1]
RP NUCLEOTIDE SEQUENCE.
RX MEDLINE=22584407; PubMed=12679517; DOI=10.1073/pnas.0230374100;
RA Vassilatis D.K., Hohmann J.G., Zeng H., Li F., Ranchalis J.E.,
RA Mortrud M.T., Brown A., Rodriguez S.S., Weller J.R., Wright A.C.,
RA Bergmann J.E., Gaitanaris G.A.;
RL "The G protein-coupled receptor repertoires of human and mouse.";
RT Proc. Natl. Acad. Sci. U.S.A. 100:4903-4908(2003).
CC -----
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CC -----
DR EMBL: AY255567; AAC85079.1; -; mRNA.
DR Ensembl: ENSMUSG00000049928; Mus musculus.
DR MGI: MGI:2136733; Glp2r.
DR GO: GO:0016021; C: integral to membrane; RCA.
DR GO: GO:0016020; C: membrane; RCA.
DR GO: GO:0004930; F: G-protein coupled receptor activity; RCA.
DR GO: GO:0004967; F: glucagon receptor activity; RCA.
DR GO: GO:0007186; P: G-protein coupled receptor protein signalin. . .; RCA.
DR InterPro: IPR001762; Disintegrin.
DR InterPro: IPR000832; GPCR secretin.
DR InterPro: IPR001879; hormone_rcpt.
DR Pfam: PF00002; 7cm_2; 1.
DR PRINTS: PR02793; HRM; 1.
DR PROSITE: PS00649; G_PROTEIN_RECEP_F2_1; 1.
DR PROSITE: PS50227; G_PROTEIN_RECEP_F2_3; 1.
DR PROSITE: PS50261; G_PROTEIN_RECEP_F2_4; 1.
KW Receptor.
FT NON_TER 1
FT NON_TER 151
SQ SEQUENCE 151 AA; 17747 MW; 733167846EC19F95 CRC64;

Query Match 4.0%; Score 7; DB 2; Length 151;
Best Local Similarity 100.0%; Pred. No. 82;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 12 SLISLFL 18
Db 116 SLISLFL 122
|||||

Search completed: July 6, 2006, 08:15:26
Job time : 303 secs

GenCore version 5.1.9
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OM protein - protein search, using sw model

Run on: July 6, 2006, 08:06:47 ; Search time 195 Seconds
(without alignments)
415.012 Million cell updates/sec

Title: US-10-617-573-6

Perfect score: 177

Sequence: 1 MRERPRLGEDSSLISLFQV.....ERRLYRVSLACVCRVRVWG 177

Scoring table: OLIGO

Gapop 60.0 , Gapext 60.0

Searched: 2589679 seqs, 457216429 residues

Word size : 1

Total number of hits satisfying chosen parameters: 2589342

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 100 summaries

Database : A_Geneseq_8:*

1: Geneseqp1980s:*

2: Geneseqp1990s:*

3: Geneseqp2000s:*

4: Geneseqp2001s:*

5: Geneseqp2002s:*

6: Geneseqp2003as:*

7: Geneseqp2003bs:*

8: Geneseqp2004s:*

9: Geneseqp2005s:*

10: Geneseqp2006s:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	177	100.0	177	4	AAB47299 PRO10272
2	177	100.0	177	4	AAB87603 Human PRO
3	177	100.0	177	4	AAU04952 Human Int
4	177	100.0	177	5	ABG95928 Human sec
5	177	100.0	177	6	ABU90953 Novel hum
6	177	100.0	177	6	ABO34012 Human sec
7	177	100.0	177	6	ABU72029 Novel hum
8	177	100.0	177	6	ABU71583 Human sec
9	177	100.0	177	6	ABU72364 Human PRO
10	177	100.0	177	6	ABU91037 Human PRO
11	177	100.0	177	6	ABO27358 Human sec
12	177	100.0	177	6	ABU92553 Human sec
13	177	100.0	177	6	ABU89699 Human int
14	177	100.0	177	6	ABU81223 Human sec
15	177	100.0	177	6	ABO53337 Novel hum
16	177	100.0	177	6	ABU98340 Novel hum
17	177	100.0	177	6	ABU89345 Novel hum
18	177	100.0	177	6	ABU82552 Novel hum
19	177	100.0	177	6	ABU72594 Human IL-
20	177	100.0	177	6	ABU94516 Human PRO
21	177	100.0	177	6	ABU72186 Human PRO
22	177	100.0	177	6	ADA26944 Human tra
23	177	100.0	177	6	ADB17213 Human tra

24	177	100.0	177	6	ADA43229	Human int
25	177	100.0	177	6	ABO44316	Human sec
26	177	100.0	177	6	ADA20018	Novel hum
27	177	100.0	177	6	ADB17401	Human tra
28	177	100.0	177	6	ADA20190	Novel hum
29	177	100.0	177	6	ABO34244	Human sec
30	177	100.0	177	6	ADA00487	Human sec
31	177	100.0	177	7	ADA49770	Human int
32	177	100.0	177	7	ABU63084	Novel hum
33	177	100.0	177	7	ADA28963	Human PRO
34	177	100.0	177	7	ADB85729	Novel hum
35	177	100.0	177	7	ADB68408	Human PRO
36	177	100.0	177	7	ADB68215	Human PRO
37	177	100.0	177	7	ADB91032	Novel hum
38	177	100.0	177	7	ADB66897	Human PRO
39	177	100.0	177	7	ADC07112	Human PRO
40	177	100.0	177	7	ADC17291	Mammalian
41	177	100.0	177	7	ADC14989	Novel hum
42	177	100.0	177	7	ADC52484	Novel hum
43	177	100.0	177	7	ADD36160	Novel hum
44	177	100.0	177	7	ADE86211	Human PRO
45	177	100.0	177	7	ABW02055	Human IL-
46	177	100.0	177	7	ADG01161	Novel hum
47	177	100.0	177	7	ADG08714	Novel hum
48	177	100.0	177	7	ADF95335	Novel hum
49	177	100.0	177	7	ADH24188	Novel hum
50	177	100.0	177	7	ADG87381	Human PRO
51	177	100.0	177	7	ADH34214	Novel hum
52	177	100.0	177	7	ADH30047	Novel hum
53	177	100.0	177	7	ADH24018	Novel hum
54	177	100.0	177	7	ADG85422	Novel hum
55	177	100.0	177	7	ADH24698	Novel hum
56	177	100.0	177	7	ADH37554	Human sec
57	177	100.0	177	7	ADH02143	Human PRO
58	177	100.0	177	7	ADG87369	Human PRO
59	177	100.0	177	7	ADH37724	Human sec
60	177	100.0	177	7	ADG85762	Novel hum
61	177	100.0	177	7	ADH24358	Novel hum
62	177	100.0	177	7	ADH38652	Novel hum
63	177	100.0	177	7	ADG88791	Human PRO
64	177	100.0	177	7	ADG83773	Human PRO
65	177	100.0	177	7	ADH29581	Novel hum
66	177	100.0	177	7	ADH27697	Novel hum
67	177	100.0	177	7	ADH37894	Human sec
68	177	100.0	177	7	ADH38071	Human sec
69	177	100.0	177	7	ADH57491	Novel hum
70	177	100.0	177	7	ADH53633	Novel hum
71	177	100.0	177	7	ADH53803	Novel hum
72	177	100.0	177	7	ADH52139	Novel hum
73	177	100.0	177	7	ADH49994	Novel hum
74	177	100.0	177	7	ADI25504	Novel hum
75	177	100.0	177	7	ADH90297	Novel hum
76	177	100.0	177	7	ADI25674	Novel hum
77	177	100.0	177	7	ADH97848	Novel hum
78	177	100.0	177	7	ADI03696	Novel hum
79	177	100.0	177	7	ADI12053	Human PRO
80	177	100.0	177	7	ADH90127	Novel hum
81	177	100.0	177	7	ADH98528	Novel hum
82	177	100.0	177	7	ADI11203	Human PRO
83	177	100.0	177	7	ADI11713	Human PRO
84	177	100.0	177	7	ADH98358	Novel hum
85	177	100.0	177	7	ADH98698	Novel hum
86	177	100.0	177	7	ADH98188	Novel hum
87	177	100.0	177	7	ADI05176	Novel hum
88	177	100.0	177	7	ADI03526	Novel hum
89	177	100.0	177	7	ADI04921	Novel hum
90	177	100.0	177	7	ADH78375	Human PRO
91	177	100.0	177	7	ADI19719	Novel hum
92	177	100.0	177	7	ADH90467	Novel hum
93	177	100.0	177	7	ADI03186	Novel hum
94	177	100.0	177	7	ADH78035	Human PRO
95	177	100.0	177	7	ADH98018	Novel hum
96	177	100.0	177	7	ADI01403	Novel hum

97 177 100.0 177 7 ADI02098 Adio2098 Novel hum
 98 177 100.0 177 7 ADI03356 Adio3356 Novel hum
 99 177 100.0 177 7 ADI11543 Human PRO
 100 177 100.0 177 7 ADI02445 Adio2445 Novel hum

ALIGNMENTS

RESULT 1

AAB47299

ID AAB47299 standard; protein; 177 AA.

AC AAB47299;

XX 22-AUG-2001 (first entry)

XX PRO10272 polypeptide.

XX PRO; PRO1081; PRO1274; PRO10272; proliferation; T-lymphocyte; PRO1199;
 KW PRO1556; PRO4401; PRO10268; inhibition; stimulation; infiltration;
 KW mononuclear cell; eosinophil; PMN; antibody; immune-related disorder;
 KW polymorphonuclear neutrophil; PMN; antibody; immune-related disorder;
 KW systemic lupus erythematosus; rheumatoid arthritis; osteoarthritis;
 KW juvenile chronic arthritis; spondyloarthropathy; systemic sclerosis;
 KW idiopathic inflammatory myopathy; Sjogren's syndrome; skin disease;
 KW systemic vasculitis; sarcoidosis; autoimmune haemolytic anaemia; asthma;
 KW autoimmune thrombocytopenia; thyroditis; diabetes mellitus; allergy;
 KW immune-mediated renal disease; demyelination; central nervous system;
 KW peripheral nervous system; idiopathic demyelinating polyneuropathy;
 KW Guillain-Barre syndrome; hepatobiliary disease; eosinophilic pneumonia;
 KW chronic active hepatitis; primary biliary cirrhosis; allergic rhinitis;
 KW granulomatous hepatitis; sclerosing cholangitis; food hypersensitivity;
 KW inflammatory bowel disease; gluten-sensitive enteropathy; urticaria;
 KW Whipple's disease; idiopathic pulmonary fibrosis; contact dermatitis;
 KW psoriasis; atopic dermatitis; hypersensitivity pneumonitis;
 KW graft rejection; graft-versus-host disease.

XX Homo sapiens.

XX Key Location/Qualifiers

XX Peptide 1..32

XX /label= Signal peptide

XX Protein 33..177

XX /label= Mature PRO10272

XX Modified-site 44..50

XX /label= N-myristoylation site

XX Modified-site 127..135

XX /label= Tyrosine kinase phosphorylation site

XX Modified-site 136..140

XX /label= N-glycosylation site

XX Modified-site 150..156

XX /label= N-myristoylation site

XX WO200140465-A2.

XX 07-JUN-2001.

XX 10-NOV-2000; 2000WO-US030873.

XX 30-NOV-1999; 99WO-US028313.

XX 09-DEC-1999; 99US-0170262P.

XX 23-DEC-1999; 99US-0172059P.

XX 11-JAN-2000; 2000US-0175481P.

XX 20-JAN-2000; 2000US-0177118P.

XX 18-FEB-2000; 2000WO-US004342.

XX 03-MAR-2000; 2000US-0187202P.

XX 30-MAY-2000; 2000WO-US014941.

XX 05-JUN-2000; 2000US-0209832P.

XX 24-AUG-2000; 2000WO-US023328.

XX (GETH) GENENTECH INC.

XX

PI Fong S, Goddard A, Godowski PJ, Grimaldi CJ, Gurney AL;
 PI Hillan KJ, Tunas D, Watanabe CK, Wood WI, Zhang Z;
 XX WPI; 2001-381384/40.
 DR N-PSDB; AAC85969.
 XX Isolated PRO polypeptide useful for treat or diagnose an immune-related
 PT disorder e.g. arthritis, asthma, allergy, diabetes or psoriasis.
 XX Claim 1; Fig 18; 124pp; English.

XX The sequences given in AAB47291-99 show PRO polypeptides. PRO1081.
 CC PRO1274 and PRO10272 stimulate the proliferation of T-lymphocytes and
 CC PRO1199, PRO1556, PRO4401 and PRO10268 inhibit the proliferation of T-
 CC lymphocytes. PRO1754 and PRO9912 act to enhance the infiltration of
 CC mononuclear cells, eosinophils or polymorphonuclear neutrophils (PMN)
 CC into the tissue of a mammal. The PRO cDNA's and antibodies which bind to
 CC them are used to treat an immune-related disorder in a mammal. Such
 CC disorders include systemic lupus erythematosus, rheumatoid arthritis,
 CC osteoarthritis, juvenile chronic arthritis, a spondyloarthropathy,
 CC systemic sclerosis, an idiopathic inflammatory myopathy, Sjogren's
 CC syndrome, systemic vasculitis, sarcoidosis, autoimmune haemolytic
 CC anaemia, autoimmune thrombocytopenia, thyroditis, diabetes mellitus,
 CC immune-mediated renal disease, a demyelinating disease of the central or
 CC peripheral nervous system, idiopathic demyelinating polyneuropathy,
 CC Guillain-Barre syndrome, a chronic inflammatory demyelinating
 CC polyneuropathy, a hepatobiliary disease, infectious or autoimmune chronic
 CC active hepatitis, primary biliary cirrhosis, granulomatous hepatitis,
 CC sclerosing cholangitis, inflammatory bowel disease, gluten-sensitive
 CC enteropathy, Whipple's disease, an autoimmune or immune-mediated skin
 CC disease, a bullous skin disease, erythema multiforme, contact dermatitis,
 CC psoriasis, an allergic disease, asthma, allergic rhinitis, atopic
 CC dermatitis, food hypersensitivity, urticaria, an immunologic disease of
 CC the lung, eosinophilic pneumonia, idiopathic pulmonary fibrosis,
 CC hypersensitivity pneumonitis, a transplantation associated disease, graft
 CC rejection or graft-versus-host disease

XX Sequence 177 AA;

Query Match 100.0%; Score 177; DB 4; Length 177;

Best Local Similarity 100.0%; Pred. No. 1.8e-170;

Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRERPLGEDSSLSLFLQVVAFLAMVMGTHYSHWPCSCPSKGQDTSELLRWSTVPVP 60

Db 1 MRERPLGEDSSLSLFLQVVAFLAMVMGTHYSHWPCSCPSKGQDTSELLRWSTVPVP 60

QY 61 PLEPARPNRHPESCRASEDGPLNSRAISPMRYELDRDLNRLPDLYHARCLCPHCVSLQT 120

Db 61 PLEPARPNRHPESCRASEDGPLNSRAISPMRYELDRDLNRLPDLYHARCLCPHCVSLQT 120

QY 121 GSHMDPRGNSSELYHNQTVFYRRPCHGEKGTGHGKCYCLERLYRVSLACVCRPRVMG 177

Db 121 GSHMDPRGNSSELYHNQTVFYRRPCHGEKGTGHGKCYCLERLYRVSLACVCRPRVMG 177

RESULT 2

AAB87603

ID AAB87603 standard; protein; 177 AA.

XX AC AAB87603;

XX DT 15-MAY-2001 (first entry)

XX DE Human PRO10272.

XX KW Human; PRO protein; mapping.

XX OS Homo sapiens.

XX PN WO200116318-A2.

XX XX 08-MAR-2001.

XX

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XX 24-AUG-2000; 2000WO-US023328.
PF 01-SEP-1999; 99WO-US020111.
XX 15-SEP-1999; 99WO-US021090.
PR 07-DEC-1999; 99US-0169495P.
PR 09-DEC-1999; 99US-0170262P.
PR 11-JAN-2000; 2000US-0175481P.
PR 18-FEB-2000; 2000WO-US004341.
PR 18-FEB-2000; 2000WO-US004342.
PR 22-FEB-2000; 2000WO-US004414.
PR 01-MAR-2000; 2000WO-US005601.
PR 03-MAR-2000; 2000US-0187202P.
PR 21-MAR-2000; 2000US-0191007P.
PR 30-MAR-2000; 2000WO-US008439.
PR 25-APR-2000; 2000US-019397P.
PR 22-MAY-2000; 2000WO-US014042.
PR 05-JUN-2000; 2000US-0209832P.
XX (GETH ) GENENTECH INC.
PA
XX Eaton DL, Filvaroff E, Gerritsen ME, Goddard A, Godowski PJ;
PI Grimaldi CJ, Gurney AL, Watanabe CK, Wood WI;
XX WPI; 2001-183260/18.
DR N-PSDB; AAF92135.
XX
XX Eighty four nucleic acids encoding PRO polypeptides, useful in molecular
PT biology, including use as hybridization probes, and in chromosome and
PT gene mapping.
XX
XX Claim 12; Fig 156; 278pp; English.
XX
XX The present sequence is a human PRO polypeptide (secreted and
CC transmembrane). The PRO protein, and PRO agonists, PRO antagonists or
CC anti-PRO antibodies are useful for preparation of a medicament useful in
CC the treatment of a condition which is responsive to the PRO protein,
CC agonists, antagonists or anti-PRO antibodies. The PRO protein may also be
CC employed as molecular weight markers for protein electrophoresis. The PRO
CC coding sequence has applications in molecular biology, including use as
CC hybridisation probes, and in chromosome and gene mapping
XX
XX Sequence 177 AA;
SQ
Query Match 100.08; Score 177; DB 4; Length 177;
Best Local Similarity 100.08; Pred. No. 1.8e-170;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MRERPRLGEDSLISLFQVVAFLAWVNGTHTYSHWPCSCPSKGQDTSEELLRWSTVPVP 60
Db 1 MRERPRLGEDSLISLFQVVAFLAWVNGTHTYSHWPCSCPSKGQDTSEELLRWSTVPVP 60
Qy 61 PLEPAPNRHPESCRASEDGPNLNSRAISPRWYELDRDLNRLPQDLYHARCLCPHCVSLQT 120
Db 61 PLEPAPNRHPESCRASEDGPNLNSRAISPRWYELDRDLNRLPQDLYHARCLCPHCVSLQT 120
Qy 121 GSHMDPRGNSLLYHNQTVFRRPCHGKGTGKGYCLERRLYRVSLACVCRPRVMG 177
Db 121 GSHMDPRGNSLLYHNQTVFRRPCHGKGTGKGYCLERRLYRVSLACVCRPRVMG 177
RESULT 3
AAU04952
ID AAU04952 standard; protein; 177 AA.
XX
AC AAU04952;
XX
DT 24-OCT-2001 (first entry)
XX
DE Human Interleukin 17E ligand, IL-17E.
XX Human; Interleukin-17E ligand; IL-17E; agonist; PRO10272;
KW DNA 147531-2821; systemic lupus erythematosus; rheumatoid arthritis;
KW

```

```

KW osteoarthritis; diabetes mellitus; allergic disease; asthma;
KW demyelinating disease; degenerative cartilaginous disorder;
XX transplantation associated disease.
OS Homo sapiens.
XX
XX Key Location/Qualifiers
FH Peptide 1..32
FT /label= Signal_peptide
FT Protein 33..177
FT /label= Mature_IL_17E
FT Region 44..50
FT /note= "N-myristoylation site"
FT Region 127..135
FT /note= "Tyrosine kinase phosphorylation site"
FT Modified-site 136..140
FT /note= "Asn is glycosylated"
FT Region 150..156
FT /note= "N-myristoylation site"
XX
XX WO200146420-A2.
XX
XX 28-JUN-2001.
XX
XX 20-DEC-2000; 2000WO-US034956.
XX
XX 23-DEC-1999; 99US-0172096P.
PR 30-DEC-1999; 99WO-US031274.
PR 11-JAN-2000; 2000US-0175481P.
PR 18-FEB-2000; 2000WO-US004341.
PR 02-MAR-2000; 2000WO-US005841.
PR 21-MAR-2000; 2000US-0191007P.
PR 21-MAR-2000; 2000WO-US007532.
PR 02-JUN-2000; 2000WO-US015264.
PR 22-JUN-2000; 2000US-0213807P.
PR 22-AUG-2000; 2000US-00644848.
PR 24-AUG-2000; 2000WO-US023328.
PR 24-OCT-2000; 2000US-0242837P.
PR 10-NOV-2000; 2000WO-US030873.
PR 28-NOV-2000; 2000US-0253646P.
PR 01-DEC-2000; 2000WO-US032678.
XX (GETH ) GENENTECH INC.
XX
XX Chen J, Filvaroff E, Fong S, Goddard A, Godowski PJ, Grimaldi CJ;
PI Gurney AL, Li H, Hillan KJ, Tumas D, Van Lookeren M, Vandien RL;
PI Watanabe CK, Williams PM, Wood WI, Yansura DG;
XX WPI; 2001-451708/48.
XX N-PSDB; AAS09511.
XX
XX Novel PRO polypeptides homologous to interleukin-17, useful for the
FT diagnosis and treatment of immune related disease e.g. rheumatoid
FT arthritis and diabetes.
XX
XX Claim 10; Fig 6; 188pp; English.
XX
XX The sequence is PRO10272 which is the human Interleukin 17E ligand, IL-
CC 17E, encoded by DNA 147531-2821. A composition containing ant/agonists to
CC the PRO polypeptides or individual components are useful for treating a
CC mammal with an immune related disease, e.g. systemic lupus erythematosus,
CC rheumatoid arthritis, osteoarthritis, juvenile chronic arthritis, a
CC spondyloarthropathy, systemic sclerosis, an idiopathic inflammatory
CC myopathy, Sjogren's syndrome, systemic vasculitis, sarcoidosis,
CC autoimmune haemolytic anaemia, autoimmune thrombocytopenia, thyroiditis,
CC diabetes mellitus, immune-mediated renal disease, a demyelinating
CC disease, an autoimmune or immune-mediated skin disease, contact
CC dermatitis, an allergic disease e.g. food hypersensitivity, asthma, a
CC transplantation associated disease, or a chronic inflammatory
CC demyelinating polyneuropathy. Treating a degenerative cartilaginous
CC disorder comprises administering a PRO1031 or PRO1122 polypeptide
CC agonist, or antagonist to the mammal. Numerous examples of the diseases
CC and disorders are given in the specification

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```
XX SQ Sequence 177 AA;
Query Match 100.0%; Score 177; DB 4; Length 177;
Best Local Similarity 100.0%; Pred. No. 1.8e-170;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MRERPRIGEDSSLSLFLQVVAFLAMVNGTHYSHWPSCCPSKQDTSBELLRWSTVPVP 60
Db 1 MRERPRIGEDSSLSLFLQVVAFLAMVNGTHYSHWPSCCPSKQDTSBELLRWSTVPVP 60
Qy 61 PLEPARNRHPESCRASEDGPLNSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLOT 120
Db 61 PLEPARNRHPESCRASEDGPLNSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLOT 120
Qy 121 GSHMDPRGNSLLYHNQTVFYRRPCHGKGTGKGYCLERRLYRVSACVCVPRVMG 177
Db 121 GSHMDPRGNSLLYHNQTVFYRRPCHGKGTGKGYCLERRLYRVSACVCVPRVMG 177

RESULT 4
ABG95928
ID ABG95928 standard; protein; 177 AA.
XX AC ABG95928;
XX DT 10-DEC-2002 (first entry)
XX DE Human secreted/transmembrane protein PRO10272.
XX KW Human; secreted protein; transmembrane protein; antirheumatic;
KW antiarthritic; osteopathic; sports-related joint problem;
KW articular cartilage defect; osteoarthritis; rheumatoid arthritis.
XX OS Homo sapiens.
XX PN US2002119130-A1.
XX PD 29-AUG-2002.
XX PF 06-DEC-2001; 2001US-0006867.
XX PR 29-OCT-1997; 97US-0063435P.
PR 29-OCT-1997; 97US-0064215P.
PR 22-APR-1998; 98US-0082797P.
PR 29-APR-1998; 98US-0083495P.
PR 15-MAY-1998; 98US-0085579P.
PR 02-JUN-1998; 98US-0087759P.
PR 04-JUN-1998; 98US-0088021P.
PR 04-JUN-1998; 98US-0088029P.
PR 04-JUN-1998; 98US-0088030P.
PR 10-JUN-1998; 98US-0088734P.
PR 10-JUN-1998; 98US-0088740P.
PR 10-JUN-1998; 98US-0088811P.
PR 10-JUN-1998; 98US-0088824P.
PR 10-JUN-1998; 98US-0088825P.
PR 11-JUN-1998; 98US-0088863P.
PR 12-JUN-1998; 98US-0089105P.
PR 16-JUN-1998; 98US-0089514P.
PR 17-JUN-1998; 98US-0089653P.
PR 19-JUN-1998; 98US-0089852P.
PR 22-JUN-1998; 98US-0090246P.
PR 24-JUN-1998; 98US-0090444P.
PR 25-JUN-1998; 98US-0090688P.
PR 25-JUN-1998; 98US-0090696P.
PR 26-JUN-1998; 98US-0090862P.
PR 02-JUL-1998; 98US-0091628P.
PR 10-AUG-1998; 98US-0096012P.
PR 17-AUG-1998; 98US-0096757P.
PR 18-AUG-1998; 98US-0096949P.
PR 18-AUG-1998; 98US-0096959P.
PR 26-AUG-1998; 98US-0097954P.
PR 26-AUG-1998; 98US-0097971P.

26-AUG-1998; 98US-0097979P.
01-SEP-1998; 98US-0098749P.
10-SEP-1998; 98US-0099741P.
10-SEP-1998; 98US-0099763P.
10-SEP-1998; 98US-0099792P.
10-SEP-1998; 98US-0099812P.
10-SEP-1998; 98US-0099815P.
16-SEP-1998; 98US-0100627P.
16-SEP-1998; 98US-0100662P.
16-SEP-1998; 98US-01019330.
17-SEP-1998; 98US-0100683P.
17-SEP-1998; 98US-0100684P.
17-SEP-1998; 98US-0100930P.
22-SEP-1998; 98US-0101279P.
22-SEP-1998; 98US-0101475P.
24-SEP-1998; 98US-0101738P.
24-SEP-1998; 98US-0101743P.
24-SEP-1998; 98US-0101916P.
30-SEP-1998; 98US-0102570P.
06-OCT-1998; 98US-0103449P.
08-MAR-1999; 99WO-US005028.
14-MAY-1999; 99WO-US010733.
02-JUN-1999; 99WO-US012252.
01-SEP-1999; 99WO-US020111.
15-SEP-1999; 99WO-US021090.
15-SEP-1999; 99WO-US021194.
22-DEC-1999; 99WO-US030720.
18-FEB-2000; 2000WO-US004341.
18-FEB-2000; 2000WO-US004342.
22-FEB-2000; 2000WO-US004414.
01-MAR-2000; 2000WO-US005601.
30-MAR-2000; 2000WO-US008439.
22-MAY-2000; 2000WO-US014042.
02-JUN-2000; 2000WO-US015264.
23-AUG-2000; 2000WO-US023522.
24-AUG-2000; 2000WO-US023328.
10-NOV-2000; 2000WO-US030873.
01-DEC-2000; 2000WO-US032378.
20-DEC-2000; 2000WO-US034956.
28-FEB-2001; 2001WO-US006520.
01-MAR-2001; 2001WO-US006666.
30-MAY-2001; 2001WO-US017443.
01-JUN-2001; 2001WO-US017800.
20-JUN-2001; 2001WO-US019692.
29-JUN-2001; 2001WO-US021066.
09-JUL-2001; 2001WO-US021735.

(GETH ) GENENTECH INC.
Eaton DL, Filvaroff E, Gerritsen ME, Goddard A, Godowski PJ;
Grimaldi JC, Gurney AL, Watanabe CK, Wood WI;
WPI; 2002-731348/79.
N-PSDB; ABS74455.

New isolated secreted and transmembrane PRO polypeptide useful for
modulating biological activity of a cell, or for treating sports-related
joint problems, osteoarthritis or rheumatoid arthritis.

Claim 20; Fig 156; 399pp; English.

The invention relates to an isolated secreted and transmembrane PRO
polypeptide having 80 % sequence identity to a sequence appearing as
ABG95851-ABG95934 or their associated signal peptide, or a sequence of an
extracellular domain of the proteins with their associated signal peptide
or lacking its associated signal peptide. Also included are the nucleic
acids encoding the proteins, vectors, host cells, fusion proteins and
antibodies which specifically bind to the proteins. The proteins are
useful for detecting a polypeptide designated as A, B, C or D in a sample
suspected of containing an A, B, C or D polypeptide, by contacting the
sample with a polypeptide designated as E, F, G, H or I (or vice versa)
and determining the formation of a A/E, B/F, B/G, C/H or D/I polypeptide
conjugate in the sample, where the formation of the conjugate is
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indicative of the presence of an A, B, C or D polypeptide in the sample, where A is a PRO10272 polypeptide, B is a PRO20110 polypeptide, C is a PRO0096 polypeptide, D is a PRO19760 polypeptide, E is a PRO35801 polypeptide, F is a PRO1 polypeptide, G is a PRO20040 polypeptide, H is a PRO20233 polypeptide and I is a PRO1890 polypeptide. The sample comprises a cell suspected of expressing the A, B, C or D polypeptide. The E, F, G, H or I polypeptide is labeled with a detectable label or is attached to a solid support. The proteins are useful for linking a bioactive molecule to a cell expressing a polypeptide designated as A, B, C or D or E, F, G, H or I. The bioactive molecule is a toxin, a radiolabel or an antibody. The bioactive molecule causes death of the cell. A, B, C, D, E, F, G, H, or I, or antibodies against them are useful for modulating a biological activity of a cell expressing a polypeptide designated as A, B, C or D or E, F, G, H, or I. The cell is killed. The proteins are useful for identifying agonists or antagonists, for the preparation of a medicament useful in the treatment of a condition which is responsive to the proteins, as molecular weight markers for protein electrophoresis purposes, and as therapeutic agents for treating sports-related joint problems, articular cartilage defects, osteoarthritis or rheumatoid arthritis. Nucleic acids encoding the proteins are useful as hybridisation probes, in chromosome and gene mapping, in the generation of anti-sense RNA and DNA, for the preparation of the proteins, to generate transgenic or knockout animals which are useful in the development and screening of therapeutic useful reagents, for chromosome identification, and in gene therapy. The antibody is useful as a therapeutic agent, in a diagnostic assay and for affinity purification of the protein from recombinant cell culture natural sources. The present sequence represents a novel secreted or transmembrane protein of the invention

Seq	Sequence	177 AA;	Query Match	100.0%;	Score 177;	DB 5;	Length 177;
			Best Local Similarity	100.0%;	Pred. No. 1.8e-170;		
			Matches 177;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	1	MRERPRLGEDSSLSISLFQVAFVFLAMVGMGHTYSHWPSCCP	SKQDTS	SEELLRWST	VVP	60	
Db	1	MRERPRLGEDSSLSISLFQVAFVFLAMVGMGHTYSHWPSCCP	SKQDTS	SEELLRWST	VVP	60	
Qy	61	PLPAPAPNRHPESCRASEDGPLNSRAISPWRVYELDRDLNRL	PQDLYHARCL	CPHCVS	LOT	120	
Db	61	PLEPAPENRHPESCRASEDGPLNSRAISPWRVYELDRDLNRL	PQDLYHARCL	CPHCVS	LOT	120	
Qy	121	GSMDPRGNSSELYHNQTVFYRRPCHGEKGT	HKGYCLERL	RYRVS	LACV	CVPR	VMG 177
Db	121	GSMDPRGNSSELYHNQTVFYRRPCHGEKGT	HKGYCLERL	RYRVS	LACV	CVPR	VMG 177

RESULT 5	
ABU09053	
ID	ABU09053 standard; protein; 177 AA.
XX	
AC	ABU09053;
XX	
DT	11-JUL-2003 (first entry)
XX	
DE	Novel human secreted and transmembrane protein PRO10272.
XX	
KW	Human; secreted and transmembrane protein; PRO; antibody therapy;
KW	pharmaceutical; diagnostic; biosensor; bioreactor.
XX	
OS	Homo sapiens.
XX	
PN	US2003018173-A1.
XX	
PD	23-JAN-2003.
XX	
PF	01-MAY-2002; 2002US-00063515.
XX	
PR	06-DEC-2001; 2001US-00006867.
XX	
PA	(GETH) GENENTECH INC.

XX	Eaton DL, Filvaroff E, Gerritsen ME, Goddard A, Godowski PJ;
PI	Grimaldi JC, Gurney AL, Watanabe CK, Wood WI;
PI	WPI: 2003-401702/38.
XX	N-PSDB; ACA91241.
XX	
XX	New antibody useful for identifying PRO polypeptides, for affinity
PT	purification of PRO polypeptides, and for preparing a medicament for
PT	diagnosing or treating conditions responsive to the antibody or PRO
PT	polypeptide.
XX	
PS	Disclosure; Fig 156; 345pp; English.
XX	
CC	The invention describes an antibody that specifically binds to a PRO
CC	polypeptide having a fully defined amino acid sequence given in the
CC	specification. The antibody is useful in identifying PRO polypeptides
CC	useful for various industrial applications, including pharmaceuticals,
CC	diagnostics, biosensors and bioreactors. The antibody is also used for
CC	affinity purification of PRO polypeptides from recombinant cell culture
CC	or natural sources. The antibody, PRO polypeptide, or its agonists or
CC	antagonists, may be used for preparing a medicament for diagnosing or
CC	treating a condition responsive to the antibody, PRO polypeptide, or its
CC	agonists or antagonists. This is the amino acid sequence of a novel human
CC	secreted and transmembrane PRO polypeptide
XX	
XX	Sequence 177 AA;
SQ	

RESULT 6
ABO34012
ID ABO34012 standard; protein: 177 AA.

```
PR 15-SEP-1999; 99US-00397342.
PR 18-OCT-1999; 99US-00403297.
PR 12-NOV-1999; 99US-00423844.
PR 30-DEC-1999; 99WO-US031274.
PR 18-FEB-2000; 2000WO-US004341.
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005841.
PR 21-MAR-2000; 2000WO-US007532.
PR 22-MAY-2000; 2000WO-US014042.
PR 02-JUN-2000; 2000WO-US015264.
PR 22-AUG-2000; 2000US-00644848.
PR 24-AUG-2000; 2000WO-US023328.
PR 18-SEP-2000; 2000US-00664610.
PR 18-SEP-2000; 2000US-00665350.
PR 08-NOV-2000; 2000US-00709238.
PR 10-NOV-2000; 2000WO-US030873.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000US-00747259.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001WO-US006520.
PR 22-MAR-2001; 2001US-00816744.
PR 10-MAY-2001; 2001US-00854208.
PR 10-MAY-2001; 2001US-00854280.
PR 30-MAY-2001; 2001US-00870574.
PR 01-JUN-2001; 2001WO-US017800.
PR 05-JUN-2001; 2001US-00874503.
PR 29-JUN-2001; 2001US-00869599.
PR 18-JUL-2001; 2001US-00908827.
PR 06-DEC-2001; 2001US-00006867.
PA (GETH ) GENENTECH INC.
XX
XX Eaton DL, Filvaroff E, Gerritsen ME, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Watanabe CK, Wood WI;
XX WPI; 2003-447384/42.
DR N-PSDB; ACD81618.
XX
XX New isolated antibody specifically binding a PRO polypeptide, useful for
PT the preparation of a medicament for treating disorders with the aberrant
PT expression or activity of the PRO polypeptide, such as tumor conditions
PT and cancer.
XX
XX Disclosure; Fig 156; 223pp; English.
XX
XX The invention relates to an antibody that binds to a secreted or
CC transmembrane protein designated PRO1446 appearing as ABO33941. The
CC protein is one of 84 PRO polypeptides which (along with their encoding
CC nucleic acids) are disclosed in the specification. The methods and
CC compositions of the present invention are useful for the preparation of a
CC medicament for the treatment of disorders associated with the aberrant
CC expression or activity of the PRO polypeptide, such as tumour conditions
CC and cancer. They can also be used to generate transgenic or knockout
CC animals useful in the development and screening of therapeutically useful
CC reagents. The PRO polypeptides and encoding nucleic acids can be used as
CC molecular weight markers for protein electrophoresis, chromosome
CC identification and tissue typing. The antibodies may be used in various
CC diagnostic, competitive binding and/or immunoprecipitation assays. The
CC present sequence represents a PRO polypeptide
XX
XX Sequence 177 AA;
SQ
Query Match 100.0%; Score 177; DB 6; Length 177;
Best Local Similarity 100.0%; Pred. No. 1.8e-170;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MRERPRIGEDSSLSLFQVAVFLAMVGMGTTHYSHWPSCCPSCGQDTSSELLRWSTVPVP 60
Db 1 MRERPRIGEDSSLSLFQVAVFLAMVGMGTTHYSHWPSCCPSCGQDTSSELLRWSTVPVP 60
Qy 61 PLEPARPNRHPESCRASDGPLNSRAISPMRYELDRDLNRLPDQLYHARCLCPHCVSLOT 120
Db 61 PLEPARPNRHPESCRASDGPLNSRAISPMRYELDRDLNRLPDQLYHARCLCPHCVSLOT 120
Qy 121 GSHMDPRGNSSELYHNQTVFYRRPCHGKGTGTHGYCLERRLYRVSLACVCRPRVMG 177
Db 121 GSHMDPRGNSSELYHNQTVFYRRPCHGKGTGTHGYCLERRLYRVSLACVCRPRVMG 177
RESULT 7
ABU72029
ID ABU72029 standard; protein; 177 AA.
XX
XX AC ABU72029;
XX
XX DT 11-JUN-2003 (first entry)
XX
XX Novel human secreted and transmembrane protein PRO10272.
XX
XX Human; secreted and transmembrane polypeptide; chromosome mapping;
KW gene mapping; transgenic animal; knockout animal;
KW therapeutic agent screening; chromosome identification; tissue typing;
KW gene therapy.
XX
XX Homo sapiens.
XX
XX US2003018183-A1.
XX
XX PD 23-JAN-2003.
XX
XX PF 01-MAY-2002; 2002US-00063512.
XX
XX PR 06-DEC-2001; 2001US-00006867.
XX
XX (GETH ) GENENTECH INC.
XX
XX Eaton DL, Filvaroff E, Gerritsen ME, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Watanabe CK, Wood WI;
XX WPI; 2003-330984/31.
DR N-PSDB; ACA60440.
XX
XX New secreted and transmembrane PRO polypeptides and nucleic acid
PT molecules encoding the polypeptides, useful in gene therapy or preparing
PT a medicament for treating a condition that is responsive to the PRO
PT polypeptide or antibody.
XX
XX Disclosure; Fig 156; 409pp; English.
XX
XX The invention describes novel isolated PRO polypeptides. The PRO
CC polypeptides or anti-PRO antibodies are useful in preparing a medicament
CC for treating a condition that is responsive to the PRO polypeptide or
CC antibody. The PRO nucleotide sequences may be used as hybridisation
CC probes in chromosome and gene mapping, or in generating antisense RNA and
CC DNA. PRO nucleic acids are also useful in preparing PRO polypeptides, in
CC assays to identify other proteins or molecules involved in binding
CC reaction, to generate transgenic animals or knockout animals, which in
CC turn are useful in the development and screening of therapeutically
CC useful reagents, for chromosome identification, and tissue typing. The
CC PRO polypeptides and nucleic acid molecules are also useful in gene
CC therapy, and as molecular weight markers for protein electrophoresis
CC purposes. The anti-PRO antibodies may be used in diagnostic assays for
CC PRO, or for the affinity purification of PRO from recombinant cell
CC culture or natural sources. This is the amino acid sequence of a novel
CC human secreted and transmembrane PRO polypeptide
XX
XX Sequence 177 AA;
SQ
Query Match 100.0%; Score 177; DB 6; Length 177;
Best Local Similarity 100.0%; Pred. No. 1.8e-170;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MRERPRIGEDSSLSLFQVAVFLAMVGMGTTHYSHWPSCCPSCGQDTSSELLRWSTVPVP 60
Db 1 MRERPRIGEDSSLSLFQVAVFLAMVGMGTTHYSHWPSCCPSCGQDTSSELLRWSTVPVP 60
```

QY 61 PLEPARPNRHPSCRASEDGPLNSRAISPWRYELDRDLNRLPQDLYHARCLCPHCVSLOT 120
Db |||||
QY 61 PLEPARPNRHPSCRASEDGPLNSRAISPWRYELDRDLNRLPQDLYHARCLCPHCVSLOT 120
Db |||||
QY 121 GSHMDPRGNSELLYHNTQVFRPCHGKGTGKGYCLERRLYRVSLACVCRPRVMG 177
Db |||||
QY 121 GSHMDPRGNSELLYHNTQVFRPCHGKGTGKGYCLERRLYRVSLACVCRPRVMG 177

RESULT 8

ABU71583
ID ABU71583 standard; protein; 177 AA.
XX
AC ABU71583;
DT 10-JUN-2003 (first entry)
XX
DE Human secreted polypeptide PRO10272.
XX
KW Human; gene therapy; tumour; cancer.
XX
OS Homo sapiens.
XX
FN US2003013855-A1.
XX
PD 16-JAN-2003.
XX
PF 03-MAY-2002; 2002US-00063616.

XX 30-DEC-1998; 98KR-00062142.
PR 08-MAR-1999; 99WO-US005028.
PR 14-MAY-1999; 99US-00311832.
PR 14-MAY-1999; 99WO-US010733.
PR 25-AUG-1999; 99US-00380137.
PR 25-AUG-1999; 99US-00380138.
PR 25-AUG-1999; 99US-00380139.
PR 25-AUG-1999; 99US-00380142.
PR 15-SEP-1999; 99US-00397342.
PR 18-OCT-1999; 99US-00403297.
PR 12-NOV-1999; 99US-00423844.
PR 30-DEC-1999; 99WO-US031274.
PR 18-FEB-2000; 2000WO-US004341.
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005841.
PR 21-MAR-2000; 2000WO-US007532.
PR 22-MAY-2000; 2000WO-US014042.
PR 02-JUN-2000; 2000WO-US015264.
PR 22-AUG-2000; 2000US-00644848.
PR 24-AUG-2000; 2000WO-US023328.
PR 18-SEP-2000; 2000US-00664610.
PR 18-SEP-2000; 2000US-00665350.
PR 08-NOV-2000; 2000US-00709238.
PR 10-NOV-2000; 2000WO-US030873.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000US-00747259.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001WO-US006520.
PR 22-MAR-2001; 2001US-00816744.
PR 10-MAY-2001; 2001US-00854208.
PR 10-MAY-2001; 2001US-00854280.
PR 30-MAY-2001; 2001US-00870574.
PR 01-JUN-2001; 2001WO-US017800.
PR 05-JUN-2001; 2001US-00874503.
PR 29-JUN-2001; 2001US-00869599.
PR 18-JUL-2001; 2001US-00908827.
PR 06-DEC-2001; 2001US-00006867.

(GETH) GENENTECH INC.

XX
XX Eaton DL, Filvaroff E, Gerritsen ME, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Watanabe CK, Wood WI;
XX
XX WPI; 2003-330485/31.

DR N-PSDB; ACAS8887.
XX
PT New isolated antibody specifically binding a PRO polypeptide, useful for
PT the preparation of a medicament for treating disorders with the aberrant
PT expression or activity of the PRO polypeptide, such as tumor conditions
PT and cancer.
XX
PS Example 19; Page 224; 406pp; English.
XX
CC The invention relates to an antibody that binds to a polypeptide with a
CC fully defined sequence given in the specification. The methods and
CC compositions (containing antibodies that specifically bind a PRO
CC polypeptide) of the present invention are useful for the preparation of a
CC medicament for the treatment of disorders associated with the aberrant
CC expression or activity of the PRO polypeptide, such as tumour conditions
CC and cancer. They can also be used to generate transgenic or knockout
CC animals useful in the development and screening of therapeutically useful
CC reagents. The PRO polypeptides and encoding nucleic acids can be used as
CC molecular weight markers for protein electrophoresis, chromosome
CC identification and tissue typing. The PRO polypeptides are useful to
CC induce angiogenesis e.g wound healing; in the treatment of sports-related
CC joint problems, articular cartilage defects, osteoarthritis or rheumatoid
CC arthritis; diabetes; hyperinsulinaemia and hypoinsulinaemia. The
CC antibodies may be used in various diagnostic, competitive binding and/or
CC immunoprecipitation assays. The present sequence represents the amino
CC acid sequence of a PRO polypeptide of the invention
XX
SQ Sequence 177 AA;

Query Match 100.0%; Score 177; DB 6; Length 177;
Best Local Similarity 100.0%; Pred. No. 1.8e-170;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRERPLRGEDSSLSLFLQVVAFLAMVMTHTYSHWPSCCPSKQDTSSELLRWSTVPVP 60
Db |||||
QY 1 MRERPLRGEDSSLSLFLQVVAFLAMVMTHTYSHWPSCCPSKQDTSSELLRWSTVPVP 60
QY 61 PLEPARPNRHPSCRASEDGPLNSRAISPWRYELDRDLNRLPQDLYHARCLCPHCVSLOT 120
Db |||||
QY 61 PLEPARPNRHPSCRASEDGPLNSRAISPWRYELDRDLNRLPQDLYHARCLCPHCVSLOT 120
QY 121 GSHMDPRGNSELLYHNTQVFRPCHGKGTGKGYCLERRLYRVSLACVCRPRVMG 177
Db |||||
QY 121 GSHMDPRGNSELLYHNTQVFRPCHGKGTGKGYCLERRLYRVSLACVCRPRVMG 177

RESULT 9

ABU72364
ID ABU72364 standard; protein; 177 AA.

XX AC ABU72364;
XX
DT 16-JUN-2003 (first entry)
XX
DE Human PRO polypeptide #78.
XX
KW Human; PRO polypeptide; secreted and transmembrane protein;
KW anti-PRO antibody; diagnostic assay; gene expression.

Homo sapiens.

US2002182638-A1.

05-DEC-2002.

02-MAY-2002; 2002US-00063547.

30-DEC-1998; 98KR-00062142.

08-MAR-1999; 99WO-US005028.

14-MAY-1999; 99US-00311832.

14-MAY-1999; 99WO-US010733.

25-AUG-1999; 99US-00380137.

25-AUG-1999; 99US-00380138.


```
XX The present invention relates to the isolation of novel human PRO
CC polypeptides, and the polynucleotide sequences encoding them. The PRO
CC polypeptides are secreted and transmembrane proteins. The PRO polypeptide
CC and polynucleotide sequences are useful for the diagnosis, prevention and/or
CC treatment of rectal, lung, stomach, oesophageal or skin tumours, and/or
CC cancers. The PRO polypeptides are also useful as molecular weight
CC markers. The PRO polynucleotide sequences are useful for chromosome
CC identification, hybridisation probes, and for screening libraries of
CC human cDNA, genomic DNA or mRNA. They may also be used in gene therapy,
CC particularly for replacing a defective gene. ABU90960-ABU91043 represent
CC the human PRO polypeptides of the invention
XX
XX Sequence 177 AA;
SQ
Query Match 100.0%; Score 177; DB 6; Length 177;
Best Local Similarity 100.0%; Pred. No. 1.8e-170;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MRERPRLGEDSSLSLFLQVVAFLAMVNGTHTYSHWPSCCPKSGQDTSEELLRWSTVPVP 60
Db 1 MRERPRLGEDSSLSLFLQVVAFLAMVNGTHTYSHWPSCCPKSGQDTSEELLRWSTVPVP 60
Qy 61 PLEPARNRHPESCRAEDGDLNSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLQT 120
Db 61 PLEPARNRHPESCRAEDGDLNSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLQT 120
Qy 121 GSHMDPRGNSELLVHNQTVFYRRPCHGKGTGKGYCLERRLYRVSACVCVRPRVMG 177
Db 121 GSHMDPRGNSELLVHNQTVFYRRPCHGKGTGKGYCLERRLYRVSACVCVRPRVMG 177
RESULT 11
ABO27358
ID ABO27358 standard; protein; 177 AA.
XX
AC ABO27358;
XX
DT 11-SEP-2003 (first entry)
XX
DE Human secreted/transmembrane polypeptide PRO10272.
XX
KW Human; tumour; cancer; gene therapy; tissue typing.
XX
OS Homo sapiens.
XX
PN US2003009012-A1.
XX
FD 09-JAN-2003.
XX
PF 01-MAY-2002; 2002US-00063517.
XX
PR 30-DEC-1998; 98KR-00062142.
PR 08-MAR-1999; 99WO-US005028.
PR 14-MAY-1999; 99US-00311832.
PR 14-MAY-1999; 99WO-US010733.
PR 25-AUG-1999; 99US-00380137.
PR 25-AUG-1999; 99US-00380138.
PR 25-AUG-1999; 99US-00380139.
PR 25-AUG-1999; 99US-00380142.
PR 15-SEP-1999; 99US-00397342.
PR 12-OCT-1999; 99US-00403297.
PR 12-NOV-1999; 99US-00423844.
PR 30-DEC-1999; 99WO-US031274.
PR 18-FEB-2000; 2000WO-US004341.
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005841.
PR 21-MAR-2000; 2000WO-US007532.
PR 22-MAY-2000; 2000WO-US014042.
PR 02-JUN-2000; 2000WO-US015264.
PR 22-AUG-2000; 2000US-00644848.
PR 24-AUG-2000; 2000WO-US023328.
PR 18-SEP-2000; 2000US-00664610.
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PR 18-SEP-2000; 2000US-00665350.
PR 08-NOV-2000; 2000US-00709238.
PR 10-NOV-2000; 2000WO-US030873.
PR 01-DEC-2000; 2000WO-US032878.
PR 20-DEC-2000; 2000US-00747259.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001WO-US006520.
PR 22-MAR-2001; 2001US-00816744.
PR 10-MAY-2001; 2001US-00854208.
PR 10-MAY-2001; 2001US-00854280.
PR 30-MAY-2001; 2001US-00870574.
PR 01-JUN-2001; 2001WO-US017800.
PR 05-JUN-2001; 2001US-00874503.
PR 29-JUN-2001; 2001US-00869599.
PR 18-JUL-2001; 2001US-00908827.
PR 06-DEC-2001; 2001US-00006867.
XX
XX (GETH ) GENENTECH INC.
XX
XX Eaton DL, Filvaroff E, Gerritsen ME, Goddard A, Godowski PJ;
XX Grimaldi JC, Gurney AL, Watanabe CK, Wood WI;
XX WPI; 2003-447383/42.
XX N-PSDB; ACD45226.
XX
XX New isolated antibody specifically binding a PRO polypeptide, useful for
XX the preparation of a medicament for treating disorders with the aberrant
XX expression or activity of the PRO polypeptide, such as tumor conditions
XX and cancer.
XX
XX Dislosure; Fig 156; 223pp; English.
XX
XX The invention relates to an antibody that binds to a secreted and
XX transmembrane PRO polypeptide. The methods and compositions of the
XX present invention are useful for the preparation of a medicament for the
XX treatment of disorders associated with the aberrant expression or
XX activity of the PRO polypeptide, such as tumour conditions and cancer.
XX They can also be used to generate transgenic or knockout animals useful
XX in the development and screening of therapeutically useful reagents. The
XX PRO polypeptides and encoding nucleic acids can be used as molecular
XX weight markers for protein electrophoresis, chromosome identification and
XX tissue typing. The antibodies may be used in various diagnostic,
XX competitive binding and/or immunoprecipitation assays. The present
XX sequence represents the amino acid sequence of a secreted and
XX transmembrane PRO polypeptide
XX
XX Sequence 177 AA;
SQ
Query Match 100.0%; Score 177; DB 6; Length 177;
Best Local Similarity 100.0%; Pred. No. 1.8e-170;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MRERPRLGEDSSLSLFLQVVAFLAMVNGTHTYSHWPSCCPKSGQDTSEELLRWSTVPVP 60
Db 1 MRERPRLGEDSSLSLFLQVVAFLAMVNGTHTYSHWPSCCPKSGQDTSEELLRWSTVPVP 60
Qy 61 PLEPARNRHPESCRAEDGDLNSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLQT 120
Db 61 PLEPARNRHPESCRAEDGDLNSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLQT 120
Qy 121 GSHMDPRGNSELLVHNQTVFYRRPCHGKGTGKGYCLERRLYRVSACVCVRPRVMG 177
Db 121 GSHMDPRGNSELLVHNQTVFYRRPCHGKGTGKGYCLERRLYRVSACVCVRPRVMG 177
RESULT 12
ABU92553
ID ABU92553 standard; protein; 177 AA.
XX
XX ABU92553;
XX
XX 17-JUL-2003 (first entry)
XX
```

DE Human secreted/transmembrane protein PRO10272.

XX Human; PRO; secreted protein; transmembrane protein; cytostatic;

KW vulnary; osteopathic; antiarthritis; antirheumatic; lung tumour;

KW colon tumour; breast tumour; prostate tumour; rectal tumour;

KW liver tumour; tumour necrosis factor; pericyte cell proliferation;

KW TNF-alpha; proteoglycans release; cartilage; cancer; wound healing;

KW cartilage defect; osteoarthritis; rheumatoid arthritis.

XX Homo sapiens.

XX US2003045684-A1.

XX 06-MAR-2003.

XX 02-MAY-2002; 2002US-00063553.

XX 30-DEC-1998; 98KR-00062142.

XX 08-MAR-1999; 99WO-US005028.

XX 14-MAY-1999; 99WO-US011832.

XX 14-MAY-1999; 99WO-US010733.

XX 25-AUG-1999; 99US-00380137.

XX 25-AUG-1999; 99US-00380138.

XX 25-AUG-1999; 99US-00380139.

XX 25-AUG-1999; 99US-00380142.

XX 15-SEP-1999; 99US-00397342.

XX 18-OCT-1999; 99US-00403297.

XX 12-NOV-1999; 99US-00423844.

XX 30-DEC-1999; 99WO-US011274.

XX 18-FEB-2000; 2000WO-US004341.

XX 01-MAR-2000; 2000WO-US005601.

XX 02-MAR-2000; 2000WO-US005841.

XX 21-MAR-2000; 2000WO-US007532.

XX 22-MAY-2000; 2000WO-US014042.

XX 02-JUN-2000; 2000WO-US015264.

XX 22-AUG-2000; 2000US-00644848.

XX 24-AUG-2000; 2000WO-US023328.

XX 18-SEP-2000; 2000US-00864610.

XX 18-SEP-2000; 2000US-00665350.

XX 08-NOV-2000; 2000US-00709238.

XX 10-NOV-2000; 2000WO-US030873.

XX 01-DEC-2000; 2000WO-US032678.

XX 20-DEC-2000; 2000US-00747259.

XX 20-DEC-2000; 2000WO-US034956.

XX 28-FEB-2001; 2001WO-US006520.

XX 22-MAR-2001; 2001US-00816744.

XX 10-MAY-2001; 2001US-00854208.

XX 30-MAY-2001; 2001US-00854280.

XX 01-JUN-2001; 2001US-00870574.

XX 05-JUN-2001; 2001US-00874503.

XX 29-JUN-2001; 2001US-00869599.

XX 18-JUL-2001; 2001US-00908827.

XX 06-DEC-2001; 2001US-00006867.

XX (GETH) GENENTECH INC.

PA Baton DL, Filvaroff E, Gerritsen MB, Goddard A, Godowski PJ;

PI Grimaldi JC, Gurney AL, Watanabe CK, Wood WI;

XX WPI; 2003-392892/37.

XX N-PSDB; ACA93774.

XX New PRO994 polypeptide, useful for detecting tumors, or for stimulating

PT Tumor Necrosis Factor alpha, or pericyte proliferation, especially for

PT treating cancer, cartilage defects, osteoarthritis and rheumatoid

PT arthritis in a mammal.

XX Disclosure; Fig 156; 235pp; English.

XX The invention relates to a new isolated PRO994 polypeptide comprises an

CC amino acid sequence appearing as ABU92499, PRO994 lacking its associated

CC signal peptide, the extracellular domain of PRO994, the extracellular

CC domain of PRO994 (lacking it associated signal peptide) or the protein

CC encoded by the full-length coding sequence of the cDNA ATCC 203018. Also

CC included is a chimeric molecule comprising the PRO994 polypeptide fused

CC to a heterologous amino acid sequence. The PRO polypeptide is useful in

CC pharmaceuticals, diagnostics, biosensors or bioreactors. It is

CC particularly useful for detecting tumours (e.g. lung tumour, colon

CC tumour, breast tumour, prostate tumour, rectal tumour, or liver tumour)

CC in a mammal, for stimulating the release of tumour necrosis factor (TNF)-

CC alpha from human blood, for stimulating the proliferation of pericyte

CC cells, or stimulating the release of proteoglycans from cartilage. The

CC polypeptide may be employed for a variety of therapeutic purposes, e.g.

CC for treating cancer, wound healing, cartilage defects, osteoarthritis,

CC rheumatoid arthritis. Also disclosed are the cDNA encoding PRO994, 83

CC other PRO polypeptides and their encoding cDNAs. The present sequence

CC represents a PRO polypeptide of the invention

XX

SQ Sequence 177 AA;

Query Match 100.0%; Score 177; DB 6; Length 177;

Best Local Similarity 100.0%; Pred. No. 1.8e-170; Indels 0; Gaps 0;

Matches 177; Conservative 0; Mismatches 0;

QY 1 MRERPRLGEDSSLSLFLQVVAFLAMVGMTHYTHSWPSCCPSCGQDTSEELLRWSTVPVP 60

DB 1 MRERPRLGEDSSLSLFLQVVAFLAMVGMTHYTHSWPSCCPSCGQDTSEELLRWSTVPVP 60

QY 61 PLEPARPNRHPSCRASEDGPLNSRAISPWRYELDRDLNRLPODLHARCLCPHCVSLOT 120

DB 61 PLEPARPNRHPSCRASEDGPLNSRAISPWRYELDRDLNRLPODLHARCLCPHCVSLOT 120

QY 121 GSHMDPRGNSSELYHNQTVFYRRPCHGKGTGKGYCLERLYRVSLACVCRPRVMG 177

DB 121 GSHMDPRGNSSELYHNQTVFYRRPCHGKGTGKGYCLERLYRVSLACVCRPRVMG 177

RESULT 13

ABU99699

ID ABU99699 standard; protein; 177 AA.

XX

AC ABU99699;

XX

DT 10-JUL-2003 (first entry)

XX

XX Human interleukin 17 homologue h-IL17-E/PRO10272.

XX

XX Human; interleukin 17; IL-17; IL17 receptor; angiogenesis;

KW T-lymphocyte proliferation; inflammatory cell infiltration;

KW immune related disorder; systemic lupus erythematosus; osteoarthritis;

KW rheumatoid arthritis; spondyloarthritis; systemic sclerosis;

KW Sjogren's syndrome; sarcoidosis; autoimmune haemolytic anaemia;

KW thyroiditis; diabetes mellitus; immune-mediated renal disease;

KW demyelinating disease; Guillain-Barre syndrome; hepatobiliary disease;

KW hepatitis; inflammatory bowel disease; Whipple's disease; psoriasis;

KW immune-mediated skin disease; erythema multiforme; contact dermatitis;

KW allergic disease; asthma; atopic dermatitis; food hypersensitivity;

KW urticaria; immunologic disease of the lung; eosinophilic pneumonia;

KW idiopathic pulmonary fibrosis; transplantation associated disease;

KW graft-versus-host disease.

XX

OS Homo sapiens.

XX

XX US2003003546-A1.

XX

XX 02-JAN-2003.

XX

XX 22-MAR-2001; 2001US-00816744.

XX

XX 15-MAY-1998; 98US-0085579P.

XX 23-DEC-1998; 98US-0113621P.

XX 08-MAR-1999; 99WO-US005028.

XX 21-APR-1999; 99US-0130232P.

XX 26-APR-1999; 99US-0131022P.

XX 14-MAY-1999; 99US-00311832.

PR 14-MAY-1999; 99US-0134287P.
PR 14-MAY-1999; 99WO-US010733.
PR 09-JUN-1999; 99US-0138387P.
PR 23-DEC-1999; 99US-0172096P.
PR 30-DEC-1999; 99WO-US011274.
PR 11-JAN-2000; 2000US-0175481P.
PR 18-FEB-2000; 2000WO-US004341.
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005841.
PR 21-MAR-2000; 2000US-0191007P.
PR 02-JUN-2000; 2000WO-US007532.
PR 22-JUN-2000; 2000WO-US015284.
PR 24-AUG-2000; 2000US-0213807P.
PR 24-AUG-2000; 2000WO-US023328.
PR 24-OCT-2000; 2000US-0242837P.
PR 26-OCT-2000; 2000US-0244072P.
PR 10-NOV-2000; 2000WO-US030873.
PR 28-NOV-2000; 2000US-0253646P.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001WO-US006520.

(GETH) GENENTECH INC.

PI Chen J, Filvaroff E, Fong S, Goddard A, Godowski P, Grimaldi C;
PI Gurney A, Li H, Hillan K, Tumas D, Vanlookeren M, Vandien R;
PI Watanabe C, Williams PM, Wood WI, Yansura D;

DR WPI; 2003-428843/40.
DR N-FSDB; ACA89852.

PT New PRO polypeptides and polynucleotides homologous to interleukin-17,
PT useful for treating e.g. systemic lupus erythematosus, rheumatoid
PT arthritis, osteoarthritis, juvenile chronic arthritis, or systemic
PT sclerosis.

XX Claim 10; Fig 6; 129pp; English.

XX The invention relates to a nucleic acid having similarity to interleukin-
CC 17 (IL-17) or IL-17 receptor comprises at least 80% nucleic acid sequence
CC identity to a nucleotide sequence which: (a) encodes a polypeptide having
CC a sequence of appearing as ABU89597-ABU89700 and ABU89702-ABU89705 (PI-
CC P8), lacking or having its associated signal peptide; (b) encodes an
CC extracellular domain of PI-P8 lacking its associated signal peptide; (c)
CC consists of a sequence of appearing as ACA89850-ACA89853 and ACA89855-
CC ACA89858687; or (d) consists of the full-length coding sequence of
CC selected from SI-S8, and of the cDNA deposited under ATCC accession
CC number 209866, 203552, PTA-1185, PTA-2108, PTA-1535, PTA-1082 or
CC PTA-2591. Also included are expression vectors, host cells, encoded
CC proteins, chimeric proteins, antibodies, ant/agonists, compounds
CC inhibiting the expression of SI-S8 or activity (or mimicking the activity
CC of) of PI-P8, stimulating/inhibiting the proliferation of T-lymphocytes
CC using the polypeptides or ant/agonists, enhancing the infiltration of
CC inflammatory cells into a tissue of a mammal by administering a PRO1031
CC polypeptide, its agonist or antagonist, and inhibiting angiogenesis
CC induced by a PRO1031 polypeptide or its agonist in a mammal by
CC administering a PRO1031 polypeptide, its ant/agonist or an anti-PRO1031
CC antibody. The proteins, antibodies, ant/agonists and compounds are useful
CC for treating an immune related disorder such as systemic lupus
CC erythematosus, rheumatoid arthritis, osteoarthritis, juvenile chronic
CC arthritis, a spondyloarthropathy, systemic sclerosis, an idiopathic
CC inflammatory myopathy, Sjogren's syndrome, systemic vasculitis,
CC sarcoidosis, autoimmune haemolytic anaemia, autoimmune thrombocytopaenia,
CC thyroiditis, diabetes mellitus, immune-mediated renal disease, a
CC demyelinating disease of the central or peripheral nervous system,
CC idiopathic demyelinating polyneuropathy, Guillain-Barre syndrome, a
CC chronic inflammatory demyelinating polyneuropathy, a hepatobiliary
CC disease, infectious or autoimmune chronic active hepatitis, primary
CC biliary cirrhosis, granulomatous hepatitis, sclerosing cholangitis,
CC inflammatory bowel disease, gluten-sensitive enteropathy, Whipple's
CC disease, an autoimmune or immune-mediated skin disease, a bullous skin
CC disease, erythema multiforme, contact dermatitis, psoriasis, an allergic
CC disease, asthma, allergic rhinitis, atopic dermatitis, food

CC hypersensitivity, urticaria, an immunologic disease of the lung,
CC eosinophilic pneumonia, idiopathic pulmonary fibrosis, hypersensitivity
CC pneumonitis, a transplantation associated disease, graft rejection or
CC graft-versus-host disease. The present sequence represents an IL17 or
CC IL17 receptor homologue of the invention

XX SQ Sequence 177 AA;

Query Match 100.0%; Score 177; DB 6; Length 177;

Best Local Similarity 100.0%; Pred. No. 1.8e-170;

Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRERPRLGEDSLISLFQVAVFLAMVNGTHYSHWPCSCPSKGQDTSEILLRWSTVPVP 60

DB 1 MRERPRLGEDSLISLFQVAVFLAMVNGTHYSHWPCSCPSKGQDTSEILLRWSTVPVP 60

QY 61 PLEPARNRHPESCRASEDGPLNSRAISPMRYELDRDLNRLPQDLYHARCICPHCVSLQT 120

DB 61 PLEPARNRHPESCRASEDGPLNSRAISPMRYELDRDLNRLPQDLYHARCICPHCVSLQT 120

QY 121 GSHMDPRGNSELYHNQTVFYRRPCHGKGTGKCYCLERRLYRVSLACVCVRPRVMG 177

DB 121 GSHMDPRGNSELYHNQTVFYRRPCHGKGTGKCYCLERRLYRVSLACVCVRPRVMG 177

RESULT 14

ABU81223

ID ABU81223 standard; protein; 177 AA.

XX AC ABU81223;

XX DT 23-JUN-2003 (first entry)

XX DE Human secreted polypeptide PRO10272.

XX KW Human; affinity purification.

XX OS Homo sapiens.

XX PN US2003027212-A1.

XX PD 06-FEB-2003.

XX 02-MAY-2002; 2002US-00063544.

PR 30-DEC-1998; 98KR-00062142.

PR 08-MAR-1999; 99US-0005028.

PR 14-MAY-1999; 99US-00311832.

PR 14-MAY-1999; 99WO-US010733.

PR 25-AUG-1999; 99US-00380137.

PR 25-AUG-1999; 99US-00380138.

PR 25-AUG-1999; 99US-00380139.

PR 25-AUG-1999; 99US-00380142.

PR 15-SEP-1999; 99US-00397342.

PR 18-OCT-1999; 99US-00403297.

PR 12-NOV-1999; 99US-00423844.

PR 30-DEC-1999; 99WO-US031274.

PR 18-FEB-2000; 2000WO-US004341.

PR 01-MAR-2000; 2000WO-US005601.

PR 02-MAR-2000; 2000WO-US005841.

PR 21-MAR-2000; 2000WO-US007532.

PR 22-MAY-2000; 2000WO-US014042.

PR 02-JUN-2000; 2000WO-US015264.

PR 22-AUG-2000; 2000US-00644848.

PR 24-AUG-2000; 2000WO-US023328.

PR 18-SEP-2000; 2000US-00664610.

PR 08-SEP-2000; 2000US-00665350.

PR 08-NOV-2000; 2000US-00709238.

PR 10-NOV-2000; 2000WO-US030873.

PR 20-DEC-2000; 2000WO-US032678.

PR 20-DEC-2000; 2000US-00747259.

PR 20-DEC-2000; 2000WO-US034956.

PR 28-FEB-2001; 2001WO-US006520.

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PR 22-MAR-2001; 2001US-00816744.
PR 10-MAY-2001; 2001US-00854208.
PR 10-MAY-2001; 2001US-00854280.
PR 30-MAY-2001; 2001US-00870574.
PR 01-JUN-2001; 2001WO-US017800.
PR 05-JUN-2001; 2001US-00874503.
PR 29-JUN-2001; 2001US-00869599.
PR 18-JUL-2001; 2001US-00908827.
PR 06-DEC-2001; 2001US-00006867.
XX
PA (GETH ) GENENTECH INC.
XX
PI Eaton DL, Filvaroff E, Gerritsen MB, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Watanabe CK, Wood WI;
XX
XX WPI; 2003-341840/32.
XX N-PSDB; ACA67348.
XX
PT New monoclonal antibody that binds to a secreted and transmembrane
PT polypeptide, useful for detecting and purifying the polypeptide and also
PT for treating conditions responsive to the antibody.
XX
XX Example 19; Fig 156; 235pp; English.
XX
CC The invention relates to an antibody that binds to a secreted and
CC transmembrane polypeptide, PRO136. The antibody is useful for preparing
CC a medicament useful in the treatment of a condition responsive to anti-
CC PRO antibody. The antibody is also useful in diagnostic assays for PRO,
CC by detecting its expression in specific cells, tissues or serum, and for
CC affinity purification of PRO from recombinant cell culture or natural
CC sources. The present sequence represents a cDNA encoding a PRO
CC polypeptide of the invention
XX
XX Sequence 177 AA;
XX
Query Match 100.0%; Score 177; DB 6; Length 177;
Best Local Similarity 100.0%; Pred. No. 1.8e-170; Indels 0; Gaps 0;
Matches 177; Conservative 0; Mismatches 0;
Qy 1 MRERPRLGEDSSLSLFLQVVAFLAMVWGTHYSHWPSCCPCKGQDTSEELLRWSTVPVP 60
Db 1 MRERPRLGEDSSLSLFLQVVAFLAMVWGTHYSHWPSCCPCKGQDTSEELLRWSTVPVP 60
Qy 61 PLEPARNRHPESCRASEDGFLNSRAISPMRYELDRDLNRLPDQLYHARCLCPHCVSLOT 120
Db 61 PLEPARNRHPESCRASEDGFLNSRAISPMRYELDRDLNRLPDQLYHARCLCPHCVSLOT 120
Qy 121 GSHMDPRGNSLLYHNQTVFYRRPCHGKGTGKGYCLLRLRYVSLACVCVRPRVMG 177
Db 121 GSHMDPRGNSLLYHNQTVFYRRPCHGKGTGKGYCLLRLRYVSLACVCVRPRVMG 177
RESULT 15
AB053337
ID AB053337 standard; protein; 177 AA.
XX
AC AB053337;
XX
XX 14-OCT-2003 (first entry)
XX
XX Novel human secreted and transmembrane protein PRO10272.
XX
XX Human; secreted and transmembrane protein; PRO.
XX
XX Homo sapiens.
XX
XX US2003027986-A1.
XX
XX 06-FEB-2003.
XX
XX 02-MAY-2002; 2002US-00063549.
XX
XX 30-DEC-1998; 98KR-00062142.
XX
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PR 08-MAR-1999; 99WO-US005028.
PR 14-MAY-1999; 99US-00311832.
PR 14-MAY-1999; 99WO-US010733.
PR 25-AUG-1999; 99US-00380137.
PR 25-AUG-1999; 99US-00380138.
PR 25-AUG-1999; 99US-00380139.
PR 25-AUG-1999; 99US-00380142.
PR 15-SEP-1999; 99US-00397342.
PR 18-OCT-1999; 99US-00403297.
PR 12-NOV-1999; 99WO-US0423844.
PR 30-DEC-1999; 99WO-US031274.
PR 18-FEB-2000; 2000WO-US004341.
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005841.
PR 21-MAR-2000; 2000WO-US007532.
PR 22-MAY-2000; 2000WO-US014042.
PR 02-JUN-2000; 2000WO-US015264.
PR 22-AUG-2000; 2000US-00644848.
PR 24-AUG-2000; 2000WO-US021328.
PR 18-SEP-2000; 2000US-00664610.
PR 18-SEP-2000; 2000US-00665350.
PR 08-NOV-2000; 2000US-00709238.
PR 10-NOV-2000; 2000WO-US030873.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000US-00747259.
PR 28-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001WO-US0006520.
PR 22-MAR-2001; 2001US-00816744.
PR 10-MAY-2001; 2001US-00854208.
PR 10-MAY-2001; 2001US-00854280.
PR 30-MAY-2001; 2001US-00870574.
PR 01-JUN-2001; 2001WO-US017800.
PR 05-JUN-2001; 2001US-00874503.
PR 29-JUN-2001; 2001US-00869599.
PR 18-JUL-2001; 2001US-00908827.
PR 06-DEC-2001; 2001US-00006867.
XX
XX (GETH ) GENENTECH INC.
XX
PI Eaton DL, Filvaroff E, Gerritsen MB, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Watanabe CK, Wood WI;
XX
XX WPI; 2003-456358/43.
XX N-PSDB; ACH66321.
XX
DR PRO polypeptide, useful for preparing a medicament for treating a
XX condition associated with PRO polypeptide.
XX
XX Disclosure; Fig 156; 222pp; English.
XX
XX The invention describes an isolated polypeptide having at least 80, 85,
XX 90, 95 or 99% identity with: (a) a sequence having 46-335 amino acids, or
XX its extracellular domain; (b) a sequence having 46-335 amino acids,
XX lacking its associated signal peptide; or (c) an amino acid sequence
XX encoded by the full-length coding sequence of the cDNA (ATCC accession
XX number 209956). The PRO (secreted and transmembrane) polypeptide is
XX useful for preparing a medicament for treating a condition associated
XX with PRO polypeptide. This is the amino acid sequence of a novel human
XX secreted and transmembrane PRO polypeptide
XX
XX Sequence 177 AA;
XX
Query Match 100.0%; Score 177; DB 6; Length 177;
Best Local Similarity 100.0%; Pred. No. 1.8e-170; Indels 0; Gaps 0;
Matches 177; Conservative 0; Mismatches 0;
Qy 1 MRERPRLGEDSSLSLFLQVVAFLAMVWGTHYSHWPSCCPCKGQDTSEELLRWSTVPVP 60
Db 1 MRERPRLGEDSSLSLFLQVVAFLAMVWGTHYSHWPSCCPCKGQDTSEELLRWSTVPVP 60
Qy 61 PLEPARNRHPESCRASEDGFLNSRAISPMRYELDRDLNRLPDQLYHARCLCPHCVSLOT 120
Db 61 PLEPARNRHPESCRASEDGFLNSRAISPMRYELDRDLNRLPDQLYHARCLCPHCVSLOT 120
```


PT polypeptide.
XX Disclosure; Fig 156; 235pp; English.
XX
CC The invention describes an antibody that binds to a novel human secreted
CC and transmembrane PRO polypeptide. The antibody is useful in preparing a
CC medicament for treating a condition e.g. cancer. The antibody may also be
CC used in diagnostic assays for PRO polypeptide in specific cells, tissue
CC or serum, and in affinity purification of the polypeptide. This is the
CC amino acid sequence of a novel human secreted and transmembrane PRO
CC polypeptide
XX
XX Sequence 177 AA;
SQ

Query Match 100.0%; Score 177; DB 6; Length 177;
Best Local Similarity 100.0%; Pred. No. 1.8e-170; Indels 0; Gaps 0;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRERPLGEDSLISLFQVAVFLAMVMTHTYSHWPCSCPSKQDTSSELLRWSTVPVP 60
DB 1 MRERPLGEDSLISLFQVAVFLAMVMTHTYSHWPCSCPSKQDTSSELLRWSTVPVP 60

QY 61 PLEPARPNRHPCRSASDGPLNSRAISFWRYELDRDLNRLPQDLYHARCLCPHCVSLOT 120
DB 61 PLEPARPNRHPCRSASDGPLNSRAISFWRYELDRDLNRLPQDLYHARCLCPHCVSLOT 120

QY 121 GSHMDPRGNSSELLVHNQTVFVRRPCHGKGTGKGYCLERRLYRVSLACVCRPRVMG 177
DB 121 GSHMDPRGNSSELLVHNQTVFVRRPCHGKGTGKGYCLERRLYRVSLACVCRPRVMG 177

RESULT 19
ABU72594
ID ABU72594 standard; protein; 177 AA.
XX AC ABU72594;
XX
XX 17-JUN-2003 (first entry)
XX
XX Human IL-17 family member, PRO10272, h-IL17E.
XX
XX Human; interleukin-17; IL-17; cytokine; T-lymphocyte; inflammatory cell;
XX angiogenesis; gene therapy; immune-related disorder;
XX systemic lupus erythematosus; rheumatoid arthritis; osteoarthritis;
XX systemic sclerosis; idiopathic inflammatory myopathy; Sjogren's syndrome;
XX sarcoidosis; autoimmune haemolytic anaemia; thyroiditis; psoriasis;
XX diabetes mellitus; demyelinating disease; Guillain-Barre syndrome;
XX autoimmune chronic active hepatitis; primary biliary cirrhosis;
XX inflammatory bowel disease; immune-mediated skin disease;
XX contact dermatitis; allergic disease; asthma; urticaria;
XX eosinophilic pneumonia; idiopathic pulmonary fibrosis;
XX transplantation-associated disease; graft-versus-host disease.
XX
XX Homo sapiens.
XX
XX US2003008815-A1.
XX
XX 09-JAN-2003.
XX
XX 20-DEC-2000; 2000US-00747259.
XX
XX 14-MAY-1999; 99US-00311832.
XX 23-DEC-1999; 99US-0172096P.
XX 30-DEC-1999; 99WO-US031274.
XX 11-JAN-2000; 2000US-0175481P.
XX 18-FEB-2000; 2000WO-US004341.
XX 02-MAR-2000; 2000WO-US005841.
XX 21-MAR-2000; 2000US-0191007P.
XX 21-MAR-2000; 2000WO-US007532.
XX 02-JUN-2000; 2000WO-US015264.
XX 20-JUN-2000; 2000US-0213087P.
XX 22-AUG-2000; 2000US-00644848.
XX 24-AUG-2000; 2000WO-US023328.

24-OCT-2000; 2000US-0242837P.
10-NOV-2000; 2000WO-US030873.
28-NOV-2000; 2000US-0253646P.
01-DEC-2000; 2000WO-US032678.
(GETH) GENENTECH INC.
Chen J, Pilyaroff E, Fong S, Goddard A, Godowski PJ, Grimaldi C;
Gurney AL, Li H, Hillan K, Tumas D, Vanlookeren M, Vandlen R;
Watanabe C, Williams PM, Wood WI, Yansura DG;
WPI; 2003-341350/32.
DR N-PSDB; ACA64636.
XX
XX New isolated nucleic acid encoding a PRO polypeptide, e.g. PRO1031,
PT PRO1122, PRO10272, useful in molecular biology, chromosome and gene
PT mapping, in generating antisense RNA and DNA, and in gene therapy.
XX
XX Claim 10; Fig 6; 148pp; English.
XX
XX The invention relates to an isolated nucleic acid comprising at least 80%
CC sequence identity to 8 cDNA sequences encoding PRO polypeptides (or their
CC extracellular domains) which are members of the interleukin-17 (IL-17)
CC family of cytokines. Also included are expression vectors, host cells,
CC the PRO polypeptides, chimaeric molecules comprising the above
CC polypeptides fused to a heterologous amino acid sequence, an anti-PRO
CC antibody, a composition comprising the above polypeptide (or its agonist
CC or antagonist, or the antibody cited above) in combination with a
CC carrier, determining the presence of a PRO polypeptide in a sample,
CC identifying a compound that mimics or inhibits the activity of the PRO
CC polypeptides cited above, or a compound that inhibits the expression of a
CC gene encoding the above polypeptides, stimulating or inhibiting the
CC proliferation of T-lymphocytes, enhancing or decreasing the infiltration
CC of inflammatory cells into a tissue of a mammal and inhibiting or
CC stimulating angiogenesis induced by a PRO1031 polypeptide or its agonist
CC in a mammal. The nucleic acid is useful in molecular biology, e.g. use as
CC hybridisation probes, in chromosome and gene mapping, in generating
CC antisense RNA and DNA, and in gene therapy. The polynucleotide may also
CC be used in preparing PRO polypeptides by recombinant techniques, and in
CC generating either transgenic animals or knock-out animals which, in turn,
CC are useful in the development and screening of therapeutically useful
CC reagents. The PRO polypeptide or the antibody is used in preparing a
CC medicament for treating a condition responsive to the polypeptide or
CC antibody, and in various diagnostic assays. For immune-related disorders,
CC these may be systemic lupus erythematosus, rheumatoid arthritis,
CC osteoarthritis, juvenile chronic arthritis, spondyloarthritis, systemic
CC sclerosis, idiopathic inflammatory myopathy, Sjogren's syndrome, systemic
CC vasculitis, sarcoidosis, autoimmune haemolytic anaemia, autoimmune
CC thrombocytopaenia, thyroiditis, diabetes mellitus, immune-mediated renal
CC disease, demyelinating disease of the central or peripheral nervous
CC system, idiopathic demyelinating polyneuropathy, Guillain-Barre syndrome,
CC chronic inflammatory demyelinating polyneuropathy, hepatobiliary disease,
CC infectious or autoimmune chronic active hepatitis, primary biliary
CC cirrhosis, granulomatous hepatitis, sclerosing cholangitis, inflammatory
CC bowel disease, gluten-sensitive enteropathy, Whipple's disease,
CC autoimmune or immune-mediated skin disease, bullous skin disease,
CC erythema multiforme, contact dermatitis, psoriasis, allergic disease,
CC asthma, allergic rhinitis, atopic dermatitis, food hypersensitivity,
CC urticaria, immunologic disease of the lung, eosinophilic pneumonias,
CC idiopathic pulmonary fibrosis, hypersensitivity pneumonitis,
CC transplantation-associated disease, graft rejection or graft-versus-host
CC disease. The composition is useful in treating the above-mentioned immune
CC related diseases in a mammal, or in increasing or inhibiting the
CC proliferation of T-lymphocytes, or increasing or decreasing the
CC infiltration of inflammatory cells into a tissue of a mammal. The present
CC sequence represents a PRO polypeptide of the invention
XX
XX Sequence 177 AA;
SQ

Query Match 100.0%; Score 177; DB 6; Length 177;
Best Local Similarity 100.0%; Pred. No. 1.8e-170;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRERPRIGEDSSLSLFLQVAVFLAMVGMGTHYSHWPSCCPSKQDTSSELLRWSTVPVP 60
Db |||||
1 MRERPRIGEDSSLSLFLQVAVFLAMVGMGTHYSHWPSCCPSKQDTSSELLRWSTVPVP 60
Qy 61 PLEPARPNRHPSCRASEDGPLNSRAISPMRYELDRDLNRLPDLYHARCLCPHCVSLSQT 120
Db |||||
61 PLEPARPNRHPSCRASEDGPLNSRAISPMRYELDRDLNRLPDLYHARCLCPHCVSLSQT 120
Qy 121 GSHMDPRGNSELLYHNQTVFYRRPCHGKGTGKGYCLERRLYRVSACVCVRPRVMG 177
Db |||||
121 GSHMDPRGNSELLYHNQTVFYRRPCHGKGTGKGYCLERRLYRVSACVCVRPRVMG 177

RESULT 20
ID ABU96516 standard; protein; 177 AA.
XX AC ABU96516;
XX DT 25-JUL-2003 (first entry)
XX DE Human PRO polypeptide #78.
XX KW Human; PRO; antibody; affinity purification.
XX OS Homo sapiens.
XX PN US2003027993-A1.
XX PD 06-FEB-2003.
XX PF 02-MAY-2002; 2002US-00063537.
XX PR 30-DEC-1998; 98KR-00062142.
PR 08-MAR-1999; 99WO-US005028.
PR 14-MAY-1999; 99US-00311832.
PR 14-MAY-1999; 99WO-US010733.
PR 25-AUG-1999; 99US-00380137.
PR 25-AUG-1999; 99US-00380138.
PR 25-AUG-1999; 99US-00380139.
PR 25-AUG-1999; 99US-00380142.
PR 15-SEP-1999; 99US-00397342.
PR 18-OCT-1999; 99US-00403297.
PR 12-NOV-1999; 99US-00423844.
PR 30-DEC-1999; 99WO-US031274.
PR 18-FEB-2000; 2000WO-US004341.
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005841.
PR 21-MAR-2000; 2000WO-US007532.
PR 22-MAY-2000; 2000WO-US014042.
PR 02-JUN-2000; 2000WO-US015264.
PR 22-AUG-2000; 2000US-00644848.
PR 24-AUG-2000; 2000WO-US023328.
PR 18-SEP-2000; 2000US-00664610.
PR 18-SEP-2000; 2000US-00665350.
PR 08-NOV-2000; 2000US-00709328.
PR 10-NOV-2000; 2000WO-US030873.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000US-00747259.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001WO-US006520.
PR 22-MAR-2001; 2001US-00816744.
PR 10-MAY-2001; 2001US-00854208.
PR 10-MAY-2001; 2001US-00854280.
PR 30-MAY-2001; 2001US-00870574.
PR 01-JUN-2001; 2001WO-US017800.
PR 05-JUN-2001; 2001US-00874503.
PR 29-JUN-2001; 2001US-00869599.
PR 18-JUL-2001; 2001US-00908827.
PR 06-DEC-2001; 2001US-00006867.
XX (GETH) GENENTECH INC.

PI Eaton DL, Filvaroff E, Gerritsen ME, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Watanabe CK, Wood WI;
XX N-PSDB; ACA98525.
DR WPI; 2003-417284/39.
XX N-PSDB; ACA98525.
PT New anti-PRO antibody, useful in diagnostic assays for PRO polypeptide or
PT for affinity purification of PRO from the recombinant cell culture or
PT natural source.
XX Disclosure; Fig 156; 236pp; English.
XX The invention relates to an antibody which binds to a PRO polypeptide.
CC The antibody is useful in diagnostic assays for the PRO polypeptide or
CC for affinity purification of PRO from a recombinant cell culture or
CC natural source. Sequences ABU96439-ABU96522 represent human PRO
CC polypeptides of the invention
XX Sequence 177 AA;
SQ

Query Match 100.0%; Score 177; DB 6; Length 177;
Best Local Similarity 100.0%; Pred. No. 1.8e-170;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MRERPRIGEDSSLSLFLQVAVFLAMVGMGTHYSHWPSCCPSKQDTSSELLRWSTVPVP 60
Db |||||
1 MRERPRIGEDSSLSLFLQVAVFLAMVGMGTHYSHWPSCCPSKQDTSSELLRWSTVPVP 60
Qy 61 PLEPARPNRHPSCRASEDGPLNSRAISPMRYELDRDLNRLPDLYHARCLCPHCVSLSQT 120
Db |||||
61 PLEPARPNRHPSCRASEDGPLNSRAISPMRYELDRDLNRLPDLYHARCLCPHCVSLSQT 120
Qy 121 GSHMDPRGNSELLYHNQTVFYRRPCHGKGTGKGYCLERRLYRVSACVCVRPRVMG 177
Db |||||
121 GSHMDPRGNSELLYHNQTVFYRRPCHGKGTGKGYCLERRLYRVSACVCVRPRVMG 177

RESULT 21
ABU72186
ID ABU72186 standard; protein; 177 AA.
XX AC ABU72186;
XX DT 13-JUN-2003 (first entry)
XX DE Human PRO polypeptide #78.
XX KW Human; PRO polypeptide; secreted and transmembrane protein;
XX anti-PRO antibody; diagnostic assay; gene expression.
XX OS Homo sapiens.
XX PN US2003023042-A1.
XX PD 30-JAN-2003.
XX PF 01-MAY-2002; 2002US-00063502.
XX PR 06-DEC-2001; 2001US-00006867.
XX (GETH) GENENTECH INC.

PI Eaton DL, Filvaroff E, Gerritsen ME, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Watanabe CK, Wood WI;
XX N-PSDB; ACA63450.
DR WPI; 2003-331484/31.
XX N-PSDB; ACA63450.
PT Novel monoclonal antibody that binds to secreted and transmembrane
PT polypeptide, useful for detecting and purifying the polypeptide and also
PT for treating conditions responsive to the antibody.
XX Disclosure; Fig 156; 408pp; English.
XX

XX The present invention relates to the isolation of novel human PRO
CC polypeptides, and the polynucleotide sequences encoding them. The PRO
CC polypeptides are secreted and transmembrane proteins. The PRO
CC polypeptides and polynucleotides are useful for preparing a medicament
CC useful in the treatment of a condition responsive to anti-PRO antibody.
CC Anti-PRO antibodies are useful in diagnostic assays for PRO, by detecting
CC its expression in specific cells, tissues or serum, and for affinity
CC purification of PRO from recombinant cell culture or natural sources.
CC ABU72109-ABU72192 represent the human PRO polypeptides of the invention
XX
SQ Sequence 177 AA;
Query Match 100.0%; Score 177; DB 6; Length 177;
Best Local Similarity 100.0%; Pred. No. 1.8e-170; Indels 0; Gaps 0;
Matches 177; Conservative 0; Mismatches 0;
QY 1 MRERPRLGEDSLISLFLQVAVFLAMVWGTHYSHWPSCCPSKQDTSSELLRWSTVPVP 60
DB 1 MRERPRLGEDSLISLFLQVAVFLAMVWGTHYSHWPSCCPSKQDTSSELLRWSTVPVP 60
QY 61 PLEPARPNRHPESCRASEDGPNLSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLQT 120
DB 61 PLEPARPNRHPESCRASEDGPNLSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLQT 120
QY 121 GSHMDPRGNSSELLYHNQTVFYRRPCHGKGTGKGYCLERRLYRVSACVCVRPRVMG 177
DB 121 GSHMDPRGNSSELLYHNQTVFYRRPCHGKGTGKGYCLERRLYRVSACVCVRPRVMG 177
RESULT 22
ADA26944
ID ADA26944 standard; protein; 177 AA.
XX
AC ADA26944;
XX
DT 20-NOV-2003 (first entry)
XX
DE Human PRO polypeptide #9.
XX
KW Human; PRO polypeptide; immune related disease;
KW T-lymphocyte proliferation; inflammatory cell; mononuclear cell;
KW eosinophil; polymorphonuclear neutrophil; rheumatoid arthritis;
KW diabetes mellitus; autoimmune disease; antiinflammatory;
KW immunosuppressive; antidiabetic.
XX
OS Homo sapiens.
XX
FN US2003087380-A1.
XX
PD 08-MAY-2003.
XX
PF 05-AUG-2002; 2002US-00213182.
XX
PR 23-DEC-1999; 99US-0172059P.
PR 10-NOV-2000; 2000WO-US030873.
PR 18-JAN-2002; 2002US-00052594.
XX
PA (GETH) GENENTECH INC.
XX
XX Fong S, Goddard A, Godowski PJ, Grimaldi JC, Gurney AL;
PI Hillan KJ, Tumas D, Watanabe CK, Wood WI, Zhang Z;
XX
DR WPI; 2003-635176/60.
DR N-PSDB; ADA26943.
XX
XX New PRO nucleic acid, useful for preparing a composition for treating an
PT immune related disease in a mammal e.g., rheumatoid arthritis, diabetes
PT mellitus or autoimmune disease.
XX
XX Claim 10; Fig 18; 98pp; English.
XX
XX The present invention relates to the isolation of human PRO polypeptides,

CC and the polynucleotide sequences encoding them. The PRO polypeptide and
CC polynucleotide sequences are useful for diagnosing or treating an immune
CC related disease in a mammal. The sequences are useful for stimulating the
CC proliferation of T-lymphocytes, inhibiting the proliferation of T-
CC lymphocytes, and enhancing the infiltration of inflammatory cells into a
CC tissue of a mammal. The inflammatory cells are mononuclear cells,
CC eosinophils or polymorphonuclear neutrophils. The polynucleotide
CC sequences encoding the PRO polypeptides are useful for preparing a
CC composition for treating an immune related disease in a mammal e.g.
CC rheumatoid arthritis, diabetes mellitus or autoimmune disease. The
XX present sequence represents a human PRO polypeptide of the invention.
XX
SQ Sequence 177 AA;
Query Match 100.0%; Score 177; DB 6; Length 177;
Best Local Similarity 100.0%; Pred. No. 1.8e-170; Indels 0; Gaps 0;
Matches 177; Conservative 0; Mismatches 0;
QY 1 MRERPRLGEDSLISLFLQVAVFLAMVWGTHYSHWPSCCPSKQDTSSELLRWSTVPVP 60
DB 1 MRERPRLGEDSLISLFLQVAVFLAMVWGTHYSHWPSCCPSKQDTSSELLRWSTVPVP 60
QY 61 PLEPARPNRHPESCRASEDGPNLSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLQT 120
DB 61 PLEPARPNRHPESCRASEDGPNLSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLQT 120
QY 121 GSHMDPRGNSSELLYHNQTVFYRRPCHGKGTGKGYCLERRLYRVSACVCVRPRVMG 177
DB 121 GSHMDPRGNSSELLYHNQTVFYRRPCHGKGTGKGYCLERRLYRVSACVCVRPRVMG 177
RESULT 23
ADB17213
ID ADB17213 standard; protein; 177 AA.
XX
AC ADB17213;
XX
DT 20-NOV-2003 (first entry)
XX
DE Human transmembrane PRO polypeptide (SeqID 156).
XX
KW PRO; transmembrane; immunoconjugate; cytotoxic; gene therapy; cytostatic;
KW cancer; human.
XX
OS Homo sapiens.
XX
FN US2003050462-A1.
XX
PD 13-MAR-2003.
XX
PF 03-MAY-2002; 2002US-00063598.
XX
PR 30-DEC-1998; 98KR-00062142.
PR 08-MAR-1999; 99WO-US005028.
PR 14-MAY-1999; 99US-00311832.
PR 14-MAY-1999; 99WO-US010733.
PR 25-AUG-1999; 99US-00380137.
PR 25-AUG-1999; 99US-00380138.
PR 25-AUG-1999; 99US-00380139.
PR 15-SEP-1999; 99US-00380142.
PR 15-SEP-1999; 99US-00397342.
PR 18-OCT-1999; 99US-00403297.
PR 12-NOV-1999; 99US-00423844.
PR 30-DEC-1999; 99WO-US031274.
PR 18-FEB-2000; 2000WO-US004341.
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005841.
PR 21-MAR-2000; 2000WO-US007532.
PR 22-MAY-2000; 2000WO-US014042.
PR 02-JUN-2000; 2000WO-US015264.
PR 22-AUG-2000; 2000US-00644848.
PR 24-AUG-2000; 2000WO-US023328.
PR 18-SEP-2000; 2000US-00664610.

PR 18-SEP-2000; 2000US-00665350.
PR 08-NOV-2000; 2000US-00709238.
PR 10-NOV-2000; 2000WO-US030873.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000US-00747259.
PR 20-DEC-2000; 2000WO-US034856.
PR 28-FEB-2001; 2001WO-US006520.
PR 22-MAR-2001; 2001US-00816744.
PR 10-MAY-2001; 2001US-00854208.
PR 30-MAY-2001; 2001US-00870574.
PR 01-JUN-2001; 2001WO-US017800.
PR 05-JUN-2001; 2001US-00874503.
PR 29-JUN-2001; 2001US-00869599.
PR 18-JUL-2001; 2001US-00908827.
PR 06-DEC-2001; 2001US-00006867.
XX
XX (GETH) GENENTECH INC.
XX
XX Eaton DL, Filvaroff E, Gerritsen ME, Goddard A, Godowski PU;
PI Grimaldi JC, Gurney AL, Watanabe CK, Wood WI;
XX
XX WPI: 2003-521820/49.
XX N-PSDB; ADB17212.
XX
XX New secreted and transmembrane PRO polypeptide, useful for preparing a
PT composition for diagnosing or treating cancer and as a molecular weight
PT marker.
XX
XX Disclosure; Fig 156; 235pp; English.
XX
XX This invention relates to a novel isolated and secreted PRO polypeptide.
CC PRO is a transmembrane protein involved in the formation, differentiation
CC and maintenance of multicellular organisms, and more particularly the
CC proliferation, differentiation and migration of individual cells. The
CC invention describes screening compounds to identify PRO polypeptide
CC agonists and antagonists, anti-PRO antibodies, and immunoconjugates
CC comprising an antibody conjugated to a cytotoxic agent. Specifically, the
CC heterologous protein of the chimeric polypeptide is an epitope tag or an
CC Fc region of an immunoglobulin. Through the use of gene therapy, the PRO
CC polypeptide is useful for preparing cytostatic compositions for
CC diagnosing or treating cancer. The polypeptide is also useful as a
CC molecular weight marker for protein electrophoresis purposes. This
CC polypeptide sequence is a human PRO polypeptide, encoded by a native
CC clone of the cDNA library of the invention.
XX
XX SQ Sequence 177 AA;
Query Match 100.0%; Score 177; DB 6; Length 177;
Best Local Similarity 100.0%; Pred. No. 1.8e-170;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 61 PLEPARNRHPESCRASEDGFLNSRAISPMRYELDRDLNRLPDLYHARCLCPHCVSLOT 120
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ADA43229 standard; protein; 177 AA.
XX
XX ADA43229;
XX
XX 20-NOV-2003 (first entry)
XX

DE Human interleukin 17 related mammalian cytokine polypeptide #3.
XX
XX interleukin 17; cytokine; IL-17E; immune-related disease;
KW inflammatory disease; psoriasis; asthma; allergic rhinitis;
KW rheumatoid arthritis; human; interleukin 17 related mammalian cytokine.
XX
XX Homo sapiens.
XX
XX US6579520-B2.
XX
XX 17-JUN-2003.
XX
XX 22-MAR-2001; 2001US-00816744.
XX
XX 15-MAY-1998; 98US-0085579P.
PR 23-DEC-1998; 98US-0113621P.
PR 21-APR-1999; 99US-0130232P.
PR 26-APR-1999; 99US-0131022P.
PR 14-MAY-1999; 99US-00311832.
PR 14-MAY-1999; 99US-0134287P.
PR 09-JUN-1999; 99US-0138387P.
PR 23-DEC-1999; 99US-0172096P.
PR 11-JAN-2000; 2000US-0175481P.
PR 21-MAR-2000; 2000US-0191007P.
PR 22-JUN-2000; 2000US-0213807P.
PR 24-OCT-2000; 2000US-0242837P.
PR 26-OCT-2000; 2000US-0244072P.
PR 28-NOV-2000; 2000US-0253646P.
XX
XX (GETH) GENENTECH INC.
XX
XX Chen J, Filvaroff E, Fong S, Goddard A, Godowski P, Grimaldi C;
PI Gurney A, Li H, Hillan K, Tumas D, Vanlookeren M, Vandlen R;
PI Watanabe C, Williams PM, Wood WI, Yansura D;
XX
XX WPI: 2003-615512/58.
XX N-PSDB; ADA43228.
XX
XX New interleukin 17 related mammalian cytokine polypeptide (IL-17E)
PT polypeptide, useful for preparing composition for treating immune-related
PT or inflammatory diseases, e.g. psoriasis, asthma, allergic rhinitis or
PT rheumatoid arthritis.
XX
XX Claim 1; Fig 6; 235pp; English.
XX
XX The invention relates to a new isolated interleukin 17 related mammalian
CC cytokine polypeptide (IL-17E). The polypeptide is useful for preparing a
CC composition for treating immune-related or inflammatory diseases, e.g.
CC psoriasis, asthma, allergic rhinitis or rheumatoid arthritis. The present
CC sequence represents the amino acid sequence of a human interleukin 17
CC related mammalian cytokine polypeptide.
XX
XX SQ Sequence 177 AA;
Query Match 100.0%; Score 177; DB 6; Length 177;
Best Local Similarity 100.0%; Pred. No. 1.8e-170;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 1 MRERPLGEDSSLSLFLQVAVFLAMVGMTHYSHWPCSCPSKQDTSSELLRWSTVPVP 60
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Db 61 PLEPARNRHPESCRASEDGFLNSRAISPMRYELDRDLNRLPDLYHARCLCPHCVSLOT 120
Qy 121 GSHMDPRGNSELLYHNQTVFYRRPCHGEKGTGKGYCLERLYRVSLACVCVRPRVMG 177
Db 121 GSHMDPRGNSELLYHNQTVFYRRPCHGEKGTGKGYCLERLYRVSLACVCVRPRVMG 177
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ABO44316

ID ABO44316 standard; protein; 177 AA.
XX ABO44316;
AC ABO44316;
XX 26-SEP-2003 (first entry)
DT XX
DE Human secreted/transmembrane polypeptide PRO 10272.
XX Human; tumour; cancer; tissue typing.
KW Human; tumour; cancer; tissue typing.
XX Homo sapiens.
OS
XX US2003018172-A1.
PW
XX 23-JAN-2003.
PD
XX 01-MAY-2002; 2002US-00063513.
PF
XX 06-DEC-2001; 2001US-00006867.
PR
XX (GETH) GENENTECH INC.
PA
XX Eaton DL, Filvaroff E, Gerritsen ME, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Watanabe CK, Wood WI;
XX WPI; 2003-479475/45.
DR N-PSDB; ACH03653.
XX
XX Isolated antibody specifically binding a PRO polypeptide, useful for the
PT diagnosis and treatment of disorders with the aberrant expression or
PT activity of the PRO polypeptide, such as tumor conditions and cancer.
XX
PS Disclosure; Fig 156; 409pp; English.
XX
XX The invention relates to an antibody that binds to a fully defined PRO
CC polypeptide. The antibody is useful for the diagnosis, prevention and/or
CC treatment of disorders associated with the aberrant expression or
CC activity of the PRO polypeptide, such as tumour conditions and cancer.
CC They can also be used to generate transgenic or knockout animals useful
CC in the development and screening of therapeutically useful reagents. The
CC PRO polypeptides and encoding nucleic acids can be used as molecular
CC weight markers for protein electrophoresis, chromosome identification and
CC tissue typing. The antibodies may be used in various diagnostic,
CC competitive binding and/or immunoprecipitation assays. The present
CC sequence represents the amino acid sequence of a human secreted and
CC transmembrane PRO polypeptide
XX
SQ Sequence 177 AA;

Query Match 100.0%; Score 177; DB 6; Length 177;
Best Local Similarity 100.0%; Pred. No. 1.8e-170;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Dy 61 PLEPARPNRHPESCRAEDGPNLNSRAISPWRYELDRDLNRLPDLYHARCLCPHCVSLQT 120

Qy 121 GSHMDPRGNSELLYHNQTVFYRRPCHGKGTGKCYCLERRLYRVSLACVCVRPRVMG 177
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Search completed: July 6, 2006, 08:10:18
Job time : 196 secs

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GenCore version 5.1.9
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OM protein - protein search, using sw model

Run on: July 6, 2006, 08:16:21 ; Search time 177 Seconds
(without alignments)
463.215 Million cell updates/sec

Title: US-10-617-573-6

Perfect score: 177

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Gapop 60.0 , Gapext 60.0

Searched: 2097797 seqs, 463214858 residues

Word size : 1

Total number of hits satisfying chosen parameters: 2096646

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 100 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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2	177	100.0	177	3	US-09-816-744-6
3	177	100.0	177	3	US-09-747-259-6
4	177	100.0	177	3	US-09-908-827-6
5	177	100.0	177	4	US-10-006-867-156
6	177	100.0	177	4	US-10-063-547-156
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ALIGNMENTS

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RESULT 1
US-09-874-503-6
; Sequence 6, Application US/09874503
; Patent No. US20020177188A1
; GENERAL INFORMATION:
; APPLICANT: Chen, Jian
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Li, Hanzhong
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Hymowitz, Sarah G.
; APPLICANT: Tumas, Daniel
; APPLICANT: Starovasken, Melissa A.
; APPLICANT: VanLookeren, Menno
; APPLICANT: Vandlen, Richard
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Yansura, Daniel
; TITLE OF INVENTION: IL-17 HOMOLOGOUS POLYPEPTIDES AND THERAPEUTIC USES THEREOF
; FILE REFERENCE: P1381R1C1p3 (US)
; CURRENT APPLICATION NUMBER: US/09/874, 503
; CURRENT FILING DATE: 2001-06-05
; PRIOR APPLICATION NUMBER: US 60/253, 646
; PRIOR FILING DATE: 2000-11-28
; PRIOR APPLICATION NUMBER: US 60/244, 072
; PRIOR FILING DATE: 2000-10-26
; PRIOR APPLICATION NUMBER: US 60/242, 837
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/175, 481
; PRIOR FILING DATE: 2000-01-11
; PRIOR APPLICATION NUMBER: US 60/191, 007
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: US 60/213, 807
; PRIOR FILING DATE: 2000-06-22
; PRIOR APPLICATION NUMBER: US 60/172, 096
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: US 60/138, 387
; PRIOR FILING DATE: 1999-06-09
; PRIOR APPLICATION NUMBER: US 60/134, 287
; PRIOR FILING DATE: 1999-05-14
; PRIOR APPLICATION NUMBER: US 60/131, 022
; PRIOR FILING DATE: 1999-04-26
; PRIOR APPLICATION NUMBER: US 60/130, 232
; PRIOR FILING DATE: 1999-04-21
; PRIOR APPLICATION NUMBER: US 60/113, 621
; PRIOR FILING DATE: 1998-12-23
; PRIOR APPLICATION NUMBER: US 60/085, 579
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; PRIOR FILING DATE: 2001-05-10
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; PRIOR FILING DATE: 2001-05-20
; PRIOR APPLICATION NUMBER: US 09/816, 744
; PRIOR FILING DATE: 2001-03-22
; PRIOR APPLICATION NUMBER: US 09/747, 259
; PRIOR FILING DATE: 2000-12-20
; PRIOR APPLICATION NUMBER: US 09/644, 848
; PRIOR FILING DATE: 2000-08-22
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; PRIOR APPLICATION NUMBER: US 09/311, 832
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; PRIOR FILING DATE: 2001-02-28
; PRIOR APPLICATION NUMBER: US PCT/US00/34956
; PRIOR FILING DATE: 2000-12-20
; PRIOR APPLICATION NUMBER: US PCT/US00/32678
; PRIOR FILING DATE: 2000-12-01
; PRIOR APPLICATION NUMBER: US PCT/US00/30873
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; PRIOR APPLICATION NUMBER: US PCT/US00/23328
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: US PCT/US00/15264
; PRIOR FILING DATE: 2000-06-02
; PRIOR APPLICATION NUMBER: US PCT/US00/07532
; PRIOR FILING DATE: 2000-03-21
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; PRIOR FILING DATE: 1999-05-14
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; PRIOR FILING DATE: 1999-03-08
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; US-09-874-503-6

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RESULT 2
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; Sequence 6, Application US/09816744
; Publication No. US20030003546A1
; GENERAL INFORMATION:
; APPLICANT: Chen, Jian
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul
; APPLICANT: Grimaldi, Christopher
; APPLICANT: Gurney, Austin
; APPLICANT: Li, Hanzhong
; APPLICANT: Hillan, Kenneth
; APPLICANT: Tumas, Daniel
; APPLICANT: VanLookeren, Menno
; APPLICANT: Vandlen, Richard
; APPLICANT: Watanabe, Colin
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William
; APPLICANT: Yansura, Daniel
; TITLE OF INVENTION: IL-17 HOMOLOGOUS POLYPEPTIDES AND THERAPEUTIC USES THEREOF
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FILE REFERENCE: P1381R1C1P2(US)
CURRENT APPLICATION NUMBER: US/09/816,744
CURRENT FILING DATE: 2001-03-22
Prior application data removed - consult PALM or file wrapper
NUMBER OF SEQ ID NOS: 39
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LENGTH: 177
TYPE: PRT
ORGANISM: Homo Sapien
US-09-816-744-6

Query Match 100.0%; Score 177; DB 3; Length 177;
Best Local Similarity 100.0%; Pred. No. 1.4e-163;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 1 MRERPLGDSLSLFLQVAVFLAVMGTHYSHWPSCCPSKQDTSSELLRWSTVPVP 60
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RESULT 3
US-09-747-259-6
Sequence 6, Application US/09747259
Publication No. US20030008815A1
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Chen, Jian
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul
APPLICANT: Grimaldi, Christopher
APPLICANT: Gurney, Austin
APPLICANT: Li, Hanzhong
APPLICANT: Hillan, Kenneth
APPLICANT: Tumas, Daniel
APPLICANT: VanLookeren, Menno
APPLICANT: Vandlen, Richard
APPLICANT: Watanabe, Colin
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William
APPLICANT: Yansura, Daniel
TITLE OF INVENTION: IL-17 HOMOLOGOUS POLYPEPTIDES AND THERAPEUTIC USES THEREOF
FILE REFERENCE: P1381R1C1P1(US)
CURRENT APPLICATION NUMBER: US/09/747,259
CURRENT FILING DATE: 2000-12-20
PRIOR APPLICATION NUMBER: US 09/311,832
PRIOR FILING DATE: 1999-05-14
PRIOR APPLICATION NUMBER: US 60/172,096
PRIOR FILING DATE: 1999-12-23
PRIOR APPLICATION NUMBER: PCT/US99/31274
PRIOR FILING DATE: 1999-12-30
PRIOR APPLICATION NUMBER: US 60/175,481
PRIOR FILING DATE: 2000-01-11
PRIOR APPLICATION NUMBER: PCT/US00/04341
PRIOR FILING DATE: 2000-02-18
PRIOR APPLICATION NUMBER: PCT/US00/05841
PRIOR FILING DATE: 2000-03-02
PRIOR APPLICATION NUMBER: US 60/191,007
PRIOR FILING DATE: 2000-03-21
PRIOR APPLICATION NUMBER: PCT/US00/07532
PRIOR FILING DATE: 2000-03-21
PRIOR APPLICATION NUMBER: PCT/US00/15264
PRIOR FILING DATE: 2000-06-02
PRIOR APPLICATION NUMBER: US 60/213,087

PRIOR FILING DATE: 2000-06-22
PRIOR APPLICATION NUMBER: US 09/644,848
PRIOR FILING DATE: 2000-08-22
PRIOR APPLICATION NUMBER: PCT/US00/23328
PRIOR FILING DATE: 2000-08-24
PRIOR APPLICATION NUMBER: US 60/242,837
PRIOR FILING DATE: 2000-10-24
PRIOR APPLICATION NUMBER: PCT/US00/30873
PRIOR FILING DATE: 2000-11-10
PRIOR APPLICATION NUMBER: US 60/253,646
PRIOR FILING DATE: 2000-11-28
PRIOR APPLICATION NUMBER: PCT/US00/32678
PRIOR FILING DATE: 2000-12-01
NUMBER OF SEQ ID NOS: 39
SEQ ID NO 6
LENGTH: 177
TYPE: PRT
ORGANISM: Homo Sapien
US-09-747-259-6
Query Match 100.0%; Score 177; DB 3; Length 177;
Best Local Similarity 100.0%; Pred. No. 1.4e-163;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MRERPLGDSLSLFLQVAVFLAVMGTHYSHWPSCCPSKQDTSSELLRWSTVPVP 60
Db 1 MRERPLGDSLSLFLQVAVFLAVMGTHYSHWPSCCPSKQDTSSELLRWSTVPVP 60
Qy 61 PLEPARPNRHPESCRAEDGDLNSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLOT 120
Db 61 PLEPARPNRHPESCRAEDGDLNSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLOT 120
Qy 121 GSHMDPRGNSLLYHNQTVFYRRPCHGKGTGKGYCLERRLYRVSLACVCVRPRVMG 177
Db 121 GSHMDPRGNSLLYHNQTVFYRRPCHGKGTGKGYCLERRLYRVSLACVCVRPRVMG 177
RESULT 4
US-09-908-827-6
Sequence 6, Application US/09908827
Publication No. US20030054442A1
GENERAL INFORMATION:
APPLICANT: Chen, Jian
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul
APPLICANT: Grimaldi, Christopher
APPLICANT: Gurney, Austin
APPLICANT: Li, Hanzhong
APPLICANT: Hillan, Kenneth
APPLICANT: Tumas, Daniel
APPLICANT: VanLookeren, Menno
APPLICANT: Vandlen, Richard
APPLICANT: Watanabe, Colin
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William
APPLICANT: Yansura, Daniel
TITLE OF INVENTION: IL-17 HOMOLOGOUS POLYPEPTIDES AND THERAPEUTIC USES THEREOF
FILE REFERENCE: P1381R1C1P1(US)
CURRENT APPLICATION NUMBER: US/09/908,827
CURRENT FILING DATE: 2001-07-18
PRIOR APPLICATION NUMBER: 60/085,579
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/113,621
PRIOR FILING DATE: 1998-12-23
PRIOR APPLICATION NUMBER: 60/130,232
PRIOR FILING DATE: 1999-04-21
PRIOR APPLICATION NUMBER: 60/131,022
PRIOR FILING DATE: 1999-04-26
PRIOR APPLICATION NUMBER: 60/134,287
PRIOR FILING DATE: 1999-05-14
PRIOR APPLICATION NUMBER: 60/138,387

1 PRIOR FILING DATE: 1999-06-09
2 PRIOR APPLICATION NUMBER: 60/172,096
3 PRIOR FILING DATE: 1999-12-23
4 PRIOR APPLICATION NUMBER: 60/175,481
5 PRIOR FILING DATE: 2000-01-11
6 PRIOR APPLICATION NUMBER: 60/191,007
7 PRIOR FILING DATE: 2000-03-21
8 PRIOR APPLICATION NUMBER: 60/213,807
9 PRIOR FILING DATE: 2000-06-22
10 PRIOR APPLICATION NUMBER: 60/242,837
11 PRIOR FILING DATE: 2000-10-24
12 PRIOR APPLICATION NUMBER: 60/244,072
13 PRIOR FILING DATE: 2000-10-26
14 PRIOR APPLICATION NUMBER: 09/311,832
15 PRIOR FILING DATE: 1999-05-14
16 PRIOR APPLICATION NUMBER: 09/380,138
17 PRIOR FILING DATE: 1999-08-25
18 PRIOR APPLICATION NUMBER: 09/380,142
19 PRIOR FILING DATE: 1999-08-25
20 PRIOR APPLICATION NUMBER: 09/644,848
21 PRIOR FILING DATE: 2000-08-22
22 PRIOR APPLICATION NUMBER: 09/747,259
23 PRIOR FILING DATE: 2000-12-20
24 PRIOR APPLICATION NUMBER: 09/816,744
25 PRIOR FILING DATE: 2001-03-22
26 PRIOR APPLICATION NUMBER: 09/854,208
27 PRIOR FILING DATE: 2001-05-10
28 PRIOR APPLICATION NUMBER: 09/854,280
29 PRIOR FILING DATE: 2001-05-10
30 PRIOR APPLICATION NUMBER: PCT/US99/05028
31 PRIOR FILING DATE: 1999-03-08
32 PRIOR APPLICATION NUMBER: PCT/US99/10733
33 PRIOR FILING DATE: 1999-05-14
34 PRIOR APPLICATION NUMBER: PCT/US99/31274
35 PRIOR FILING DATE: 1999-12-30
36 PRIOR APPLICATION NUMBER: PCT/US00/04341
37 PRIOR FILING DATE: 2000-02-18
38 PRIOR APPLICATION NUMBER: PCT/US00/05601
39 PRIOR FILING DATE: 2000-03-01
40 PRIOR APPLICATION NUMBER: PCT/US00/05841
41 PRIOR FILING DATE: 2000-03-02
42 PRIOR APPLICATION NUMBER: PCT/US00/07532
43 PRIOR FILING DATE: 2000-03-21
44 PRIOR APPLICATION NUMBER: PCT/US00/15264
45 PRIOR FILING DATE: 2000-06-02
46 PRIOR APPLICATION NUMBER: PCT/US00/23328
47 PRIOR FILING DATE: 2000-08-24
48 PRIOR APPLICATION NUMBER: PCT/US00/30873
49 PRIOR FILING DATE: 2000-11-10
50 PRIOR APPLICATION NUMBER: PCT/US00/32678
51 PRIOR FILING DATE: 2000-12-01
52 PRIOR APPLICATION NUMBER: PCT/US00/34956
53 PRIOR FILING DATE: 2000-12-20
54 PRIOR APPLICATION NUMBER: PCT/US01/06520
55 PRIOR FILING DATE: 2001-02-28
56 NUMBER OF SEQ ID NOS: 39
57 SEQ ID NO 6
58 LENGTH: 177
59 TYPE: PRT
60 ORGANISM: Homo Sapien
61 US-09-908-827-6

Query Match 100.0%; Score 177; DB 3; Length 177;
Best Local Similarity 100.0%; Pred. No. 1.4e-163;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
1 MRERPRIGEDSLSLFLQVAFAMWGTHYSHWSPCCPSKGDTSSELLRWSTVPVP 60
1 MRERPRIGEDSLSLFLQVAFAMWGTHYSHWSPCCPSKGDTSSELLRWSTVPVP 60
61 PLEPARPNRHPESCRASEDGDLNRAISPWRYELDRDLNRLPQDLYHARCILCPHCVSIQT 120
61 PLEPARPNRHPESCRASEDGDLNRAISPWRYELDRDLNRLPQDLYHARCILCPHCVSIQT 120

Qy 121 GSHMDPRGNSELHYHNQTVFYRRPCHGEKGTGHKGYCLERRLYRVSLACVCVRPRVMG 177
Db 121 GSHMDPRGNSELHYHNQTVFYRRPCHGEKGTGHKGYCLERRLYRVSLACVCVRPRVMG 177

RESULT 5

US-10-006-867-156
; Sequence 156, Application US/10006867
; Publication No. US20020119130A1
; GENERAL INFORMATION:
; APPLICANT: Eaton, Dan L.
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3230R1C1
; CURRENT APPLICATION NUMBER: US/10/006,867
; PRIOR FILING DATE: 2001-12-06
; PRIOR APPLICATION NUMBER: 60/063435
; PRIOR FILING DATE: 1997-10-29
; PRIOR APPLICATION NUMBER: 60/064215
; PRIOR FILING DATE: 1997-10-29
; PRIOR APPLICATION NUMBER: 60/082797
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/083495
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/085579
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/087759
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/088021
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088029
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088030
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088734
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088740
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088811
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088824
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088825
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088863
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/089105
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: 60/089514
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089653
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089952
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/090246
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090444
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090688
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090696
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090862
; PRIOR FILING DATE: 1998-06-26

Db	61	PLEPAPNRHPESCRASEDGPLNSRAISPWRYELDRDLNRLPQDLYHARCLCPHCVSLQT	120
Qy	121	GSHMDPRGNSLLYHNQTVFYRRPCHGSKGTHKGYCLERRLYRVSACVCVRRPVMG	177
Db	121	GSHMDPRGNSLLYHNQTVFYRRPCHGSKGTHKGYCLERRLYRVSACVCVRRPVMG	177

RESULT 6

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US-10-063-547-156
; Sequence 156, Application US/10063547
; Publication No. US20020182638A1
; GENERAL INFORMATION:
; APPLICANT: Eaton, Dan L.
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3230R1C1
; CURRENT APPLICATION NUMBER: US/10/063,547
; CURRENT FILING DATE: 2002-05-02
; Prior Application removed - See file wrapper or Palm
; NUMBER OF SEQ ID NOS: 170
; SEQ ID NO 156
; LENGTH: 177
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-063-547-156

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RESULT 7
US-10-000-157-6
; Sequence 6, Application US/10000157
; Publication No. US20020182673A1
; GENERAL INFORMATION:
; APPLICANT: Chen, Jian
; APPLICANT: Pricewaterhousecoopers

; APPLICANT: Yansura, Daniel
 ; TITLE OF INVENTION: IL-17 HOMOLOGOUS POLYPEPTIDES AND THERAPEUTIC USES THEREOF
 ; FILE REFERENCE: P1381R1C1P4 (US)
 ; CURRENT APPLICATION NUMBER: US/10/000,157
 ; CURRENT FILING DATE: 2001-10-30
 ; PRIOR APPLICATION NUMBER: 60/085579
 ; PRIOR FILING DATE: 1998-05-15
 ; PRIOR APPLICATION NUMBER: 60/113621
 ; PRIOR FILING DATE: 1998-12-23
 ; PRIOR APPLICATION NUMBER: 60/130232
 ; PRIOR FILING DATE: 1999-04-21
 ; PRIOR APPLICATION NUMBER: 60/131022
 ; PRIOR FILING DATE: 1999-04-26
 ; PRIOR APPLICATION NUMBER: 60/134287
 ; PRIOR FILING DATE: 1999-05-14
 ; PRIOR APPLICATION NUMBER: 60/138387
 ; PRIOR FILING DATE: 1999-06-09
 ; PRIOR APPLICATION NUMBER: 60/172096
 ; PRIOR FILING DATE: 1999-12-23
 ; PRIOR APPLICATION NUMBER: 60/175481
 ; PRIOR FILING DATE: 2000-01-11
 ; PRIOR APPLICATION NUMBER: 60/191007
 ; PRIOR FILING DATE: 2000-03-21
 ; PRIOR APPLICATION NUMBER: 60/213807
 ; PRIOR FILING DATE: 2000-06-22
 ; PRIOR APPLICATION NUMBER: 60/242837
 ; PRIOR FILING DATE: 2000-10-24
 ; PRIOR APPLICATION NUMBER: 60/244072
 ; PRIOR FILING DATE: 2000-10-26
 ; PRIOR APPLICATION NUMBER: 60/253646
 ; PRIOR FILING DATE: 2000-11-28
 ; PRIOR APPLICATION NUMBER: 09/311832
 ; PRIOR FILING DATE: 1999-05-14
 ; PRIOR APPLICATION NUMBER: 09/380138
 ; PRIOR FILING DATE: 1999-08-25
 ; PRIOR APPLICATION NUMBER: 09/380142
 ; PRIOR FILING DATE: 1999-08-25
 ; PRIOR APPLICATION NUMBER: 09/644848
 ; PRIOR FILING DATE: 2000-08-22
 ; PRIOR APPLICATION NUMBER: 09/747259
 ; PRIOR FILING DATE: 2000-12-20
 ; PRIOR APPLICATION NUMBER: 09/816744
 ; PRIOR FILING DATE: 2001-03-22
 ; PRIOR APPLICATION NUMBER: 09/854208
 ; PRIOR FILING DATE: 2001-05-10
 ; PRIOR APPLICATION NUMBER: 09/854280
 ; PRIOR FILING DATE: 2001-05-10
 ; PRIOR APPLICATION NUMBER: 09/874503
 ; PRIOR FILING DATE: 2001-06-05
 ; PRIOR APPLICATION NUMBER: 09/908827
 ; PRIOR FILING DATE: 2001-07-18
 ; PRIOR APPLICATION NUMBER: 09/918585
 ; PRIOR FILING DATE: 2001-07-30
 ; PRIOR APPLICATION NUMBER: 09/929404
 ; PRIOR FILING DATE: 2001-08-13
 ; PRIOR APPLICATION NUMBER: 09/931836
 ; PRIOR FILING DATE: 2001-08-16
 ; PRIOR APPLICATION NUMBER: PCT/US99/05028
 ; PRIOR FILING DATE: 1999-03-08
 ; PRIOR APPLICATION NUMBER: PCT/US99/10733
 ; PRIOR FILING DATE: 1999-05-14
 ; PRIOR APPLICATION NUMBER: PCT/US99/31274
 ; PRIOR FILING DATE: 1999-12-30
 ; PRIOR APPLICATION NUMBER: PCT/US00/04341
 ; PRIOR FILING DATE: 2000-02-18
 ; PRIOR APPLICATION NUMBER: PCT/US00/05601
 ; PRIOR FILING DATE: 2001-03-01
 ; PRIOR APPLICATION NUMBER: PCT/US00/05841
 ; PRIOR FILING DATE: 2000-03-02
 ; PRIOR APPLICATION NUMBER: PCT/US00/07532
 ; PRIOR FILING DATE: 2000-03-21
 ; PRIOR APPLICATION NUMBER: PCT/US00/15264
 ; PRIOR FILING DATE: 2000-06-02

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; PRIOR APPLICATION NUMBER: PCT/US00/23328
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: PCT/US00/30873
; PRIOR FILING DATE: 2000-11-10
; PRIOR APPLICATION NUMBER: PCT/US00/32678
; PRIOR FILING DATE: 2000-12-01
; PRIOR APPLICATION NUMBER: PCT/US00/34956
; PRIOR FILING DATE: 2000-12-20
; PRIOR APPLICATION NUMBER: PCT/US01/06520
; PRIOR FILING DATE: 2001-02-28
; PRIOR APPLICATION NUMBER: PCT/US01/17800
; PRIOR FILING DATE: 2001-06-01
; PRIOR APPLICATION NUMBER: PCT/US01/19692
; PRIOR FILING DATE: 2001-06-20
; PRIOR APPLICATION NUMBER: PCT/US01/21066
; PRIOR FILING DATE: 2001-06-29
; PRIOR APPLICATION NUMBER: PCT/US01/21735
; PRIOR FILING DATE: 2001-07-09
; NUMBER OF SEQ ID NOS: 39
; SEQ ID NO 6
; LENGTH: 177
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-000-157-6

Query Match      100.0%; Score 177; DB 4; Length 177;
Best Local Similarity 100.0%; Pred. No. 1.4e-163;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRERPRIGEDSSLSLFLQVVAFLAMVWGTHYSHWPCSCPSKQDTSSELLRWSTVPVP 60
Db 1 MRERPRIGEDSSLSLFLQVVAFLAMVWGTHYSHWPCSCPSKQDTSSELLRWSTVPVP 60

Qy 61 PLEPARNRHPESCRASEDGFLNSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLOT 120
Db 61 PLEPARNRHPESCRASEDGFLNSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLOT 120

Qy 121 GSHMDPRGNSELLVHNQTVFYRRPCHGKGTGKGYCLERRLYRVSLACVCRPRVMG 177
Db 121 GSHMDPRGNSELLVHNQTVFYRRPCHGKGTGKGYCLERRLYRVSLACVCRPRVMG 177

RESULT 9
US-10-063-616-156
; Sequence 156, Application US/10063616
; Publication No. US20030013855A1
; GENERAL INFORMATION:
; APPLICANT: Eaton, Dan L.
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3230R1C1
; CURRENT APPLICATION NUMBER: US/10/063,616
; CURRENT FILING DATE: 2002-05-03
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 170
; SEQ ID NO 156
; LENGTH: 177
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-063-616-156

Query Match      100.0%; Score 177; DB 4; Length 177;
Best Local Similarity 100.0%; Pred. No. 1.4e-163;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRERPRIGEDSSLSLFLQVVAFLAMVWGTHYSHWPCSCPSKQDTSSELLRWSTVPVP 60
Db 1 MRERPRIGEDSSLSLFLQVVAFLAMVWGTHYSHWPCSCPSKQDTSSELLRWSTVPVP 60

Qy 61 PLEPARNRHPESCRASEDGFLNSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLOT 120
Db 61 PLEPARNRHPESCRASEDGFLNSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLOT 120

Qy 121 GSHMDPRGNSELLVHNQTVFYRRPCHGKGTGKGYCLERRLYRVSLACVCRPRVMG 177
Db 121 GSHMDPRGNSELLVHNQTVFYRRPCHGKGTGKGYCLERRLYRVSLACVCRPRVMG 177

RESULT 10
US-10-063-569-156
; Sequence 156, Application US/10063569
; Publication No. US20030018168A1
; GENERAL INFORMATION:
; APPLICANT: Eaton, Dan L.
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3230R1C1
; CURRENT APPLICATION NUMBER: US/10/063,569
; CURRENT FILING DATE: 2002-05-02
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 170
; SEQ ID NO 156
; LENGTH: 177
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-063-569-156

Query Match      100.0%; Score 177; DB 4; Length 177;
Best Local Similarity 100.0%; Pred. No. 1.4e-163;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRERPRIGEDSSLSLFLQVVAFLAMVWGTHYSHWPCSCPSKQDTSSELLRWSTVPVP 60
Db 1 MRERPRIGEDSSLSLFLQVVAFLAMVWGTHYSHWPCSCPSKQDTSSELLRWSTVPVP 60

Qy 61 PLEPARNRHPESCRASEDGFLNSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLOT 120
Db 61 PLEPARNRHPESCRASEDGFLNSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLOT 120

Qy 121 GSHMDPRGNSELLVHNQTVFYRRPCHGKGTGKGYCLERRLYRVSLACVCRPRVMG 177
Db 121 GSHMDPRGNSELLVHNQTVFYRRPCHGKGTGKGYCLERRLYRVSLACVCRPRVMG 177

RESULT 8
US-10-063-551-156
; Sequence 156, Application US/10063551
; Publication No. US20020183494A1
; GENERAL INFORMATION:
; APPLICANT: Eaton, Dan L.
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3230R1C1
; CURRENT APPLICATION NUMBER: US/10/063,551
; CURRENT FILING DATE: 2002-05-02
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 170
; SEQ ID NO 156
; LENGTH: 177
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-063-551-156

Query Match      100.0%; Score 177; DB 4; Length 177;
Best Local Similarity 100.0%; Pred. No. 1.4e-163;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRERPRIGEDSSLSLFLQVVAFLAMVWGTHYSHWPCSCPSKQDTSSELLRWSTVPVP 60
Db 1 MRERPRIGEDSSLSLFLQVVAFLAMVWGTHYSHWPCSCPSKQDTSSELLRWSTVPVP 60

Qy 61 PLEPARNRHPESCRASEDGFLNSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLOT 120
Db 61 PLEPARNRHPESCRASEDGFLNSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLOT 120

Qy 121 GSHMDPRGNSELLVHNQTVFYRRPCHGKGTGKGYCLERRLYRVSLACVCRPRVMG 177
Db 121 GSHMDPRGNSELLVHNQTVFYRRPCHGKGTGKGYCLERRLYRVSLACVCRPRVMG 177
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; FILE REFERENCE: P3230R1C1
; CURRENT APPLICATION NUMBER: US/10/063,569
; CURRENT FILING DATE: 2002-05-02
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 170
; SEQ ID NO 156
; LENGTH: 177
; TYPE: PRT
; ORGANISM: Homo Sapien
; ORGANISM: Homo Sapien
US-10-063-569-156

Query Match      100.0%; Score 177; DB 4; Length 177;
Best Local Similarity 100.0%; Pred. No. 1.4e-163;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRERPRLGEDSSLSLFQVAVFLAMVGMGTHYSHWPSCCPCKGQDTSEELLRWSTVPVP 60
Db 1 MRERPRLGEDSSLSLFQVAVFLAMVGMGTHYSHWPSCCPCKGQDTSEELLRWSTVPVP 60

Qy 61 PLEPARNRHPESCRASEDGPLNSRAISPMRYELDRDLNRLPDLYHARCLCPHCVSLOT 120
Db 61 PLEPARNRHPESCRASEDGPLNSRAISPMRYELDRDLNRLPDLYHARCLCPHCVSLOT 120

Qy 121 GSHMDPRGNSELLYHNQTVFYRRPCHGKGTGKGYCLERLYRVSLACVCRPRVMG 177
Db 121 GSHMDPRGNSELLYHNQTVFYRRPCHGKGTGKGYCLERLYRVSLACVCRPRVMG 177

RESULT 11
US-10-063-513-156
; Sequence 156, Application US/10063513
; Publication No. US20030018172A1
; GENERAL INFORMATION:
; APPLICANT: Eaton, Dan L.
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3230R1C1
; CURRENT APPLICATION NUMBER: US/10/063,513
; CURRENT FILING DATE: 2002-05-01
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 170
; SEQ ID NO 156
; LENGTH: 177
; TYPE: PRT
; ORGANISM: Homo Sapien
; ORGANISM: Homo Sapien
US-10-063-513-156

Query Match      100.0%; Score 177; DB 4; Length 177;
Best Local Similarity 100.0%; Pred. No. 1.4e-163;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRERPRLGEDSSLSLFQVAVFLAMVGMGTHYSHWPSCCPCKGQDTSEELLRWSTVPVP 60
Db 1 MRERPRLGEDSSLSLFQVAVFLAMVGMGTHYSHWPSCCPCKGQDTSEELLRWSTVPVP 60

Qy 61 PLEPARNRHPESCRASEDGPLNSRAISPMRYELDRDLNRLPDLYHARCLCPHCVSLOT 120
Db 61 PLEPARNRHPESCRASEDGPLNSRAISPMRYELDRDLNRLPDLYHARCLCPHCVSLOT 120

Qy 121 GSHMDPRGNSELLYHNQTVFYRRPCHGKGTGKGYCLERLYRVSLACVCRPRVMG 177
Db 121 GSHMDPRGNSELLYHNQTVFYRRPCHGKGTGKGYCLERLYRVSLACVCRPRVMG 177

RESULT 12
US-10-063-512-156
; Sequence 156, Application US/10063512
; Publication No. US20030018183A1
; GENERAL INFORMATION:
; APPLICANT: Eaton, Dan L.
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3230R1C1
; CURRENT APPLICATION NUMBER: US/10/063,512
; CURRENT FILING DATE: 2002-05-01
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 170
; SEQ ID NO 156
; LENGTH: 177
; TYPE: PRT
; ORGANISM: Homo Sapien
; ORGANISM: Homo Sapien
US-10-063-512-156

Query Match      100.0%; Score 177; DB 4; Length 177;
Best Local Similarity 100.0%; Pred. No. 1.4e-163;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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US-10-063-515-156
; Sequence 156, Application US/10063515
; Publication No. US20030018173A1
; GENERAL INFORMATION:
; APPLICANT: Eaton, Dan L.
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3230R1C1
; CURRENT APPLICATION NUMBER: US/10/063,515
; CURRENT FILING DATE: 2002-05-01
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 170
; SEQ ID NO 156
; LENGTH: 177
; TYPE: PRT
; ORGANISM: Homo Sapien
; ORGANISM: Homo Sapien
US-10-063-515-156

Query Match      100.0%; Score 177; DB 4; Length 177;
Best Local Similarity 100.0%; Pred. No. 1.4e-163;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRERPRLGEDSSLSLFQVAVFLAMVGMGTHYSHWPSCCPCKGQDTSEELLRWSTVPVP 60
Db 1 MRERPRLGEDSSLSLFQVAVFLAMVGMGTHYSHWPSCCPCKGQDTSEELLRWSTVPVP 60

Qy 61 PLEPARNRHPESCRASEDGPLNSRAISPMRYELDRDLNRLPDLYHARCLCPHCVSLOT 120
Db 61 PLEPARNRHPESCRASEDGPLNSRAISPMRYELDRDLNRLPDLYHARCLCPHCVSLOT 120

Qy 121 GSHMDPRGNSELLYHNQTVFYRRPCHGKGTGKGYCLERLYRVSLACVCRPRVMG 177
Db 121 GSHMDPRGNSELLYHNQTVFYRRPCHGKGTGKGYCLERLYRVSLACVCRPRVMG 177

RESULT 13
US-10-063-512-156
; Sequence 156, Application US/10063512
; Publication No. US20030018183A1
; GENERAL INFORMATION:
; APPLICANT: Eaton, Dan L.
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3230R1C1
; CURRENT APPLICATION NUMBER: US/10/063,512
; CURRENT FILING DATE: 2002-05-01
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 170
; SEQ ID NO 156
; LENGTH: 177
; TYPE: PRT
; ORGANISM: Homo Sapien
; ORGANISM: Homo Sapien
US-10-063-512-156

Query Match      100.0%; Score 177; DB 4; Length 177;
Best Local Similarity 100.0%; Pred. No. 1.4e-163;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 1 MRERPRLGEDSSLISLFQVAVFLAMVWGTHYSHWPSCCPSKGGDTSEELLRWSTVPVP 60
Db 1 MRERPRLGEDSSLISLFQVAVFLAMVWGTHYSHWPSCCPSKGGDTSEELLRWSTVPVP 60
Qy 61 PLEPARPNRHPEPSCRASEDGFLNSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLOT 120
Db 61 PLEPARPNRHPEPSCRASEDGFLNSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLOT 120
Qy 121 GSHMDPRGNSSELLYHNQTVFYRRPCHGKGTGKGYCLERRLYRVSACVCVRPRVMG 177
Db 121 GSHMDPRGNSSELLYHNQTVFYRRPCHGKGTGKGYCLERRLYRVSACVCVRPRVMG 177
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RESULT 14
US-10-063-502-156
; Sequence 156, Application US/10063502
; Publication No. US20030023042A1
; GENERAL INFORMATION:
; APPLICANT: Eaton, Dan L.
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3230R1C1
; CURRENT APPLICATION NUMBER: US/10/063/502
; CURRENT FILING DATE: 2002-05-01
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 170
; SEQ ID NO 156
; LENGTH: 177
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-063-502-156
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```
Query Match 100.0%; Score 177; DB 4; Length 177;
Best Local Similarity 100.0%; Pred. No. 1.4e-163;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRERPRLGEDSSLISLFQVAVFLAMVWGTHYSHWPSCCPSKGGDTSEELLRWSTVPVP 60
Db 1 MRERPRLGEDSSLISLFQVAVFLAMVWGTHYSHWPSCCPSKGGDTSEELLRWSTVPVP 60
Qy 61 PLEPARPNRHPEPSCRASEDGFLNSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLOT 120
Db 61 PLEPARPNRHPEPSCRASEDGFLNSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLOT 120
Qy 121 GSHMDPRGNSSELLYHNQTVFYRRPCHGKGTGKGYCLERRLYRVSACVCVRPRVMG 177
Db 121 GSHMDPRGNSSELLYHNQTVFYRRPCHGKGTGKGYCLERRLYRVSACVCVRPRVMG 177
```

```
RESULT 15
US-10-063-549-156
; Sequence 156, Application US/10063549
; Publication No. US20030027986A1
; GENERAL INFORMATION:
; APPLICANT: Eaton, Dan L.
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
```

```
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3230R1C1
; CURRENT APPLICATION NUMBER: US/10/063/549
; CURRENT FILING DATE: 2002-05-02
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 170
; SEQ ID NO 156
; LENGTH: 177
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-063-549-156

Query Match 100.0%; Score 177; DB 4; Length 177;
Best Local Similarity 100.0%; Pred. No. 1.4e-163;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRERPRLGEDSSLISLFQVAVFLAMVWGTHYSHWPSCCPSKGGDTSEELLRWSTVPVP 60
Db 1 MRERPRLGEDSSLISLFQVAVFLAMVWGTHYSHWPSCCPSKGGDTSEELLRWSTVPVP 60
Qy 61 PLEPARPNRHPEPSCRASEDGFLNSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLOT 120
Db 61 PLEPARPNRHPEPSCRASEDGFLNSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLOT 120
Qy 121 GSHMDPRGNSSELLYHNQTVFYRRPCHGKGTGKGYCLERRLYRVSACVCVRPRVMG 177
Db 121 GSHMDPRGNSSELLYHNQTVFYRRPCHGKGTGKGYCLERRLYRVSACVCVRPRVMG 177
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```
RESULT 16
US-10-063-554-156
; Sequence 156, Application US/10063554
; Publication No. US20030040013A1
; GENERAL INFORMATION:
; APPLICANT: Eaton, Dan L.
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3230R1C1
; CURRENT APPLICATION NUMBER: US/10/063/554
; CURRENT FILING DATE: 2002-05-02
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 170
; SEQ ID NO 156
; LENGTH: 177
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-063-554-156
```

```
Query Match 100.0%; Score 177; DB 4; Length 177;
Best Local Similarity 100.0%; Pred. No. 1.4e-163;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRERPRLGEDSSLISLFQVAVFLAMVWGTHYSHWPSCCPSKGGDTSEELLRWSTVPVP 60
Db 1 MRERPRLGEDSSLISLFQVAVFLAMVWGTHYSHWPSCCPSKGGDTSEELLRWSTVPVP 60
Qy 61 PLEPARPNRHPEPSCRASEDGFLNSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLOT 120
Db 61 PLEPARPNRHPEPSCRASEDGFLNSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLOT 120
Qy 121 GSHMDPRGNSSELLYHNQTVFYRRPCHGKGTGKGYCLERRLYRVSACVCVRPRVMG 177
Db 121 GSHMDPRGNSSELLYHNQTVFYRRPCHGKGTGKGYCLERRLYRVSACVCVRPRVMG 177
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; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: ACIDS ENCODING THE SAME
; CURRENT APPLICATION NUMBER: US/10/227,693
; PRIOR FILING DATE: 2002-08-26
; PRIOR APPLICATION NUMBER: US 10/006,867
; PRIOR FILING DATE: 2001-12-06
; PRIOR APPLICATION NUMBER: PCT/US00/23328
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: US 09/380,137
; PRIOR FILING DATE: 1999-08-25
; PRIOR APPLICATION NUMBER: PCT/US99/12252
; PRIOR FILING DATE: 1999-06-06
; PRIOR APPLICATION NUMBER: US 60/096,012
; PRIOR FILING DATE: 1998-08-10
; NUMBER OF SEQ ID NOS: 170
; SEQ ID NO 156
; LENGTH: 177
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-227-693-156

Query Match 100.0%; Score 177; DB 4; Length 177;
Best Local Similarity 100.0%; Pred. No. 1.4e-163;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRERPRIGEDSSLSLFQVVAFLAMVWGTHYSHWPCSCPSKQDTSSELLRWSTVPVP 60
Db 1 MRERPRIGEDSSLSLFQVVAFLAMVWGTHYSHWPCSCPSKQDTSSELLRWSTVPVP 60

Qy 61 PLEPARPNRHPESCRAEDGPNLSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLOT 120
Db 61 PLEPARPNRHPESCRAEDGPNLSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLOT 120

Qy 121 GSHMDPRGNSELYHNQTVFYRRPCHGKGTGKGYCLERRLYRVSLACVCVPRVMG 177
Db 121 GSHMDPRGNSELYHNQTVFYRRPCHGKGTGKGYCLERRLYRVSLACVCVPRVMG 177

RESULT 21
US-10-213-181-18
; Sequence 18, Application US/10213181
; Publication No. US20030054484A1
; GENERAL INFORMATION:
; APPLICANT: Fong, Sherman
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul
; APPLICANT: Grimaldi, Christopher
; APPLICANT: Gurney, Austin
; APPLICANT: Hillan, Kenneth
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Compositions and Methods for the Treatment of Immune
; FILE REFERENCE: P3133RIC7
; CURRENT APPLICATION NUMBER: US/10/213,181
; PRIOR FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: US 10/052,594
; PRIOR FILING DATE: 2002-01-18
; PRIOR APPLICATION NUMBER: PCT/US00/30873
; PRIOR FILING DATE: 2000-11-10
; PRIOR APPLICATION NUMBER: US 60/177,118
; PRIOR FILING DATE: 2000-01-20
; NUMBER OF SEQ ID NOS: 24
; SEQ ID NO 18
; LENGTH: 177
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-213-181-18

Query Match 100.0%; Score 177; DB 4; Length 177;

Best Local Similarity 100.0%; Pred. No. 1.4e-163;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRERPRIGEDSSLSLFQVVAFLAMVWGTHYSHWPCSCPSKQDTSSELLRWSTVPVP 60
Db 1 MRERPRIGEDSSLSLFQVVAFLAMVWGTHYSHWPCSCPSKQDTSSELLRWSTVPVP 60

Qy 61 PLEPARPNRHPESCRAEDGPNLSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLOT 120
Db 61 PLEPARPNRHPESCRAEDGPNLSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLOT 120

Qy 121 GSHMDPRGNSELYHNQTVFYRRPCHGKGTGKGYCLERRLYRVSLACVCVPRVMG 177
Db 121 GSHMDPRGNSELYHNQTVFYRRPCHGKGTGKGYCLERRLYRVSLACVCVPRVMG 177

RESULT 22
US-10-063-563-156
; Sequence 156, Application US/10063563
; Publication No. US20030060602A1
; GENERAL INFORMATION:
; APPLICANT: Eaton, Dan L.
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3230RIC1
; CURRENT APPLICATION NUMBER: US/10/063,563
; CURRENT FILING DATE: 2002-05-02
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 170
; SEQ ID NO 156
; LENGTH: 177
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-063-563-156

Query Match 100.0%; Score 177; DB 4; Length 177;
Best Local Similarity 100.0%; Pred. No. 1.4e-163;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRERPRIGEDSSLSLFQVVAFLAMVWGTHYSHWPCSCPSKQDTSSELLRWSTVPVP 60
Db 1 MRERPRIGEDSSLSLFQVVAFLAMVWGTHYSHWPCSCPSKQDTSSELLRWSTVPVP 60

Qy 61 PLEPARPNRHPESCRAEDGPNLSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLOT 120
Db 61 PLEPARPNRHPESCRAEDGPNLSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLOT 120

Qy 121 GSHMDPRGNSELYHNQTVFYRRPCHGKGTGKGYCLERRLYRVSLACVCVPRVMG 177
Db 121 GSHMDPRGNSELYHNQTVFYRRPCHGKGTGKGYCLERRLYRVSLACVCVPRVMG 177

RESULT 23
US-10-063-555-156
; Sequence 156, Application US/10063555
; Publication No. US20030065143A1
; GENERAL INFORMATION:
; APPLICANT: Eaton, Dan L.
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Watanabe, Colin K.

```
; APPLICANT: Wood,William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3230R1C1
; CURRENT APPLICATION NUMBER: US/10/063,555
; CURRENT FILING DATE: 2002-05-02
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 170
; SEQ ID NO 156
; LENGTH: 177
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-063-555-156

Query Match 100.0%; Score 177; DB 4; Length 177;
Best Local Similarity 100.0%; Pred. No. 1.4e-163;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRERPRLGEDSSLISLFLQVVAFLAMVMTHTYSHWPCSCPSKQDTSSELLRWSTVPVP 60
Db 1 MRERPRLGEDSSLISLFLQVVAFLAMVMTHTYSHWPCSCPSKQDTSSELLRWSTVPVP 60

Qy 61 PLEPARPNRHPEPSCRASEDGPNLSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLQT 120
Db 61 PLEPARPNRHPEPSCRASEDGPNLSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLQT 120

Qy 121 GSHMDPRGNSELLYHNQTVFYRRPCHGKGTGKGYCLERRLYRVSLACVCRPRVMG 177
Db 121 GSHMDPRGNSELLYHNQTVFYRRPCHGKGTGKGYCLERRLYRVSLACVCRPRVMG 177

RESULT 24
US-10-063-594-156
; Sequence 156, Application US/10063594
; Publication No. US20030065161A1
; GENERAL INFORMATION:
; APPLICANT: Eaton,Dan L.
; APPLICANT: Filvaroff,Ellen
; APPLICANT: Gerritsen,Mary E.
; APPLICANT: Goddard,Audrey
; APPLICANT: Godowski,Paul J.
; APPLICANT: Grimaldi,Christopher J.
; APPLICANT: Gurney,Austin L.
; APPLICANT: Watanabe,Colin K.
; APPLICANT: Wood,William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3230R1C1
; CURRENT APPLICATION NUMBER: US/10/063,594
; CURRENT FILING DATE: 2002-05-30
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 170
; SEQ ID NO 156
; LENGTH: 177
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-063-594-156

Query Match 100.0%; Score 177; DB 4; Length 177;
Best Local Similarity 100.0%; Pred. No. 1.4e-163;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRERPRLGEDSSLISLFLQVVAFLAMVMTHTYSHWPCSCPSKQDTSSELLRWSTVPVP 60
Db 1 MRERPRLGEDSSLISLFLQVVAFLAMVMTHTYSHWPCSCPSKQDTSSELLRWSTVPVP 60

Qy 61 PLEPARPNRHPEPSCRASEDGPNLSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLQT 120
Db 61 PLEPARPNRHPEPSCRASEDGPNLSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLQT 120

Qy 121 GSHMDPRGNSELLYHNQTVFYRRPCHGKGTGKGYCLERRLYRVSLACVCRPRVMG 177
Db 121 GSHMDPRGNSELLYHNQTVFYRRPCHGKGTGKGYCLERRLYRVSLACVCRPRVMG 177
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RESULT 25
US-10-063-567-156
; Sequence 156, Application US/10063567
; Publication No. US20030069394A1
; GENERAL INFORMATION:
; APPLICANT: Eaton,Dan L.
; APPLICANT: Filvaroff,Ellen
; APPLICANT: Gerritsen,Mary E.
; APPLICANT: Goddard,Audrey
; APPLICANT: Godowski,Paul J.
; APPLICANT: Grimaldi,Christopher J.
; APPLICANT: Gurney,Austin L.
; APPLICANT: Watanabe,Colin K.
; APPLICANT: Wood,William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3230R1C1
; CURRENT APPLICATION NUMBER: US/10/063,567
; CURRENT FILING DATE: 2002-05-02
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 170
; SEQ ID NO 156
; LENGTH: 177
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-063-567-156

Query Match 100.0%; Score 177; DB 4; Length 177;
Best Local Similarity 100.0%; Pred. No. 1.4e-163;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRERPRLGEDSSLISLFLQVVAFLAMVMTHTYSHWPCSCPSKQDTSSELLRWSTVPVP 60
Db 1 MRERPRLGEDSSLISLFLQVVAFLAMVMTHTYSHWPCSCPSKQDTSSELLRWSTVPVP 60

Qy 61 PLEPARPNRHPEPSCRASEDGPNLSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLQT 120
Db 61 PLEPARPNRHPEPSCRASEDGPNLSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLQT 120

Qy 121 GSHMDPRGNSELLYHNQTVFYRRPCHGKGTGKGYCLERRLYRVSLACVCRPRVMG 177
Db 121 GSHMDPRGNSELLYHNQTVFYRRPCHGKGTGKGYCLERRLYRVSLACVCRPRVMG 177

Search completed: July 6, 2006, 08:20:05
Job time : 177 secs
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GenCore version 5.1.9
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OM protein - protein search, using sw model

Run on: July 6, 2006, 08:17:21 ; Search time 21 Seconds
(without alignments)
226.156 Million cell updates/sec

Title: US-10-617-573-6

Perfect score: 177

Sequence: 1 MRERPRIGDSSLSLFQV.....ERRLYRVSACVCVRPRVMG 177

Scoring table: OLIGO

Gapop 60.0 , Gapext 60.0

Searched: 112942 seqs, 26832045 residues

Word size : 1

Total number of hits satisfying chosen parameters: 112925

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 100 summaries

Database : Published Applications AA New:*

- 1: /EMC_Celerra_SIDS3/ptodata/2/pubppaa/US09_NEW_PUB.pep:*
- 2: /EMC_Celerra_SIDS3/ptodata/2/pubppaa/US06_NEW_PUB.pep:*
- 3: /EMC_Celerra_SIDS3/ptodata/2/pubppaa/US07_NEW_PUB.pep:*
- 4: /EMC_Celerra_SIDS3/ptodata/2/pubppaa/US08_NEW_PUB.pep:*
- 5: /EMC_Celerra_SIDS3/ptodata/2/pubppaa/PCT_NEW_PUB.pep:*
- 6: /EMC_Celerra_SIDS3/ptodata/2/pubppaa/US10_NEW_PUB.pep:*
- 7: /EMC_Celerra_SIDS3/ptodata/2/pubppaa/US11_NEW_PUB.pep:*
- 8: /EMC_Celerra_SIDS3/ptodata/2/pubppaa/US60_NEW_PUB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	177	100.0	177	7	US-11-311-555-6
2	177	100.0	177	7	US-11-311-561-6
3	177	100.0	177	7	US-11-101-316-156
4	177	100.0	177	7	US-11-311-554-6
5	7	4.0	65	6	US-10-953-349-3137
6	7	4.0	145	6	US-10-953-349-1230
7	7	4.0	172	6	US-10-953-349-1228
8	7	4.0	264	6	US-10-953-349-31925
9	7	4.0	264	6	US-10-449-902-47552
10	7	4.0	299	6	US-10-953-349-31924
11	7	4.0	308	6	US-10-953-349-27751
12	7	4.0	325	6	US-10-449-902-55144
13	7	4.0	335	6	US-10-953-349-27750
14	7	4.0	341	6	US-10-953-349-879
15	7	4.0	341	6	US-10-953-349-31923
16	7	4.0	343	6	US-10-449-902-43568
17	7	4.0	347	6	US-10-953-349-878
18	7	4.0	358	6	US-10-953-349-877
19	7	4.0	475	6	US-10-449-902-56262
20	6	3.4	60	6	US-10-449-902-34759
21	6	3.4	67	6	US-10-953-349-13148
22	6	3.4	86	6	US-10-449-902-54198
23	6	3.4	86	6	US-10-449-902-55748
24	6	3.4	97	6	US-10-953-349-27092
25	6	3.4	108	7	US-11-219-121-10

26	3.4	110	7	US-11-254-679-38	Sequence 38, Appl
27	3.4	110	7	US-11-254-679-42	Sequence 42, Appl
28	3.4	110	7	US-11-094-132-76	Sequence 76, Appl
29	3.4	111	7	US-11-219-563-77	Sequence 77, Appl
30	3.4	112	7	US-11-219-563-81	Sequence 81, Appl
31	3.4	112	7	US-11-219-563-82	Sequence 82, Appl
32	3.4	119	6	US-10-449-902-36235	Sequence 36235, A
33	3.4	130	6	US-11-293-697-3437	Sequence 3437, Ap
34	3.4	138	6	US-10-953-349-27090	Sequence 27090, A
35	3.4	138	6	US-10-953-349-34325	Sequence 34325, A
36	3.4	149	6	US-10-953-349-39614	Sequence 39614, A
37	3.4	159	6	US-10-953-349-34324	Sequence 34324, A
38	3.4	166	7	US-11-293-697-4129	Sequence 4129, Ap
39	3.4	169	6	US-10-449-902-40175	Sequence 40175, A
40	3.4	174	7	US-11-219-121-12	Sequence 12, Appl
41	3.4	181	6	US-10-953-349-39613	Sequence 39613, A
42	3.4	190	6	US-10-449-902-42423	Sequence 42423, A
43	3.4	197	6	US-10-511-937-2611	Sequence 2611, Ap
44	3.4	197	6	US-10-196-749-448	Sequence 448, App
45	3.4	197	7	US-11-311-555-4	Sequence 4, Appl
46	3.4	197	7	US-11-311-561-4	Sequence 4, Appl
47	3.4	197	7	US-11-311-554-4	Sequence 4, Appl
48	3.4	197	7	US-11-253-200-17	Sequence 17, Appl
49	3.4	201	6	US-10-953-349-39461	Sequence 39461, A
50	3.4	202	7	US-11-253-200-19	Sequence 19, Appl
51	3.4	238	7	US-11-298-020-10	Sequence 10, Appl
52	3.4	250	6	US-10-953-349-39460	Sequence 39460, A
53	3.4	253	6	US-10-953-349-27015	Sequence 27015, A
54	3.4	261	6	US-10-196-749-356	Sequence 356, App
55	3.4	261	7	US-11-101-316-118	Sequence 118, App
56	3.4	275	6	US-10-449-902-29941	Sequence 29941, A
57	3.4	275	6	US-10-449-902-31846	Sequence 31846, A
58	3.4	278	6	US-10-953-349-36711	Sequence 36711, A
59	3.4	285	7	US-11-133-075-63	Sequence 63, Appl
60	3.4	298	6	US-10-953-349-36710	Sequence 36710, A
61	3.4	302	6	US-10-953-349-27014	Sequence 27014, A
62	3.4	308	6	US-10-953-349-20979	Sequence 20979, A
63	3.4	311	6	US-10-953-349-27013	Sequence 27013, A
64	3.4	316	6	US-10-505-928-89	Sequence 89, Appl
65	3.4	317	7	US-11-315-825-26	Sequence 26, Appl
66	3.4	319	6	US-10-449-902-44046	Sequence 44046, A
67	3.4	322	6	US-10-449-902-55874	Sequence 55874, A
68	3.4	323	6	US-10-953-349-36709	Sequence 36709, A
69	3.4	337	6	US-10-196-749-268	Sequence 268, App
70	3.4	337	7	US-11-101-316-74	Sequence 74, Appl
71	3.4	343	6	US-10-953-349-3502	Sequence 3502, Ap
72	3.4	347	6	US-10-953-349-20978	Sequence 20978, A
73	3.4	350	6	US-10-953-349-36317	Sequence 36317, A
74	3.4	351	6	US-10-953-349-3501	Sequence 3501, Ap
75	3.4	357	6	US-10-449-902-38415	Sequence 38415, A
76	3.4	358	7	US-11-293-697-3794	Sequence 3794, Ap
77	3.4	358	7	US-11-289-102-313	Sequence 313, App
78	3.4	359	6	US-10-953-349-5853	Sequence 5853, Ap
79	3.4	364	6	US-10-953-349-20977	Sequence 20977, A
80	3.4	370	6	US-10-449-902-43065	Sequence 43065, A
81	3.4	375	6	US-10-953-349-3500	Sequence 3500, Ap
82	3.4	379	6	US-10-953-349-19483	Sequence 19483, A
83	3.4	382	6	US-10-953-349-12910	Sequence 12910, A
84	3.4	392	6	US-10-953-349-19482	Sequence 19482, A
85	3.4	399	6	US-10-449-902-35031	Sequence 35031, A
86	3.4	401	6	US-10-953-349-19481	Sequence 19481, A
87	3.4	404	7	US-10-449-902-49955	Sequence 49955, A
88	3.4	405	7	US-11-293-697-3958	Sequence 3958, Ap
89	3.4	417	6	US-10-449-902-39174	Sequence 39174, A
90	3.4	426	6	US-10-449-902-33194	Sequence 33194, A
91	3.4	438	6	US-10-953-349-6468	Sequence 6468, Ap
92	3.4	443	6	US-10-449-902-31302	Sequence 31302, A
93	3.4	443	6	US-10-449-902-44891	Sequence 44891, A
94	3.4	443	6	US-10-449-902-50363	Sequence 50363, A
95	3.4	450	6	US-10-953-349-30747	Sequence 30747, A
96	3.4	453	6	US-10-953-349-22994	Sequence 22994, A
97	3.4	454	6	US-10-449-902-43504	Sequence 43504, A
98	3.4	455	6	US-10-449-902-37462	Sequence 37462, A

99 6 3.4 455 6 US-10-449-902-55353 Sequence 55353, A
100 6 3.4 459 6 US-10-953-349-30746 Sequence 30746, A

ALIGNMENTS

RESULT 1
US-11-311-555-6
; Sequence 6, Application US/11311555
; Publication No. US20060088916A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Chen, Jian
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul
; APPLICANT: Grimaldi, Christopher
; APPLICANT: Gurney, Austin
; APPLICANT: Li, Hanzhong
; APPLICANT: Hillan, Kenneth
; APPLICANT: Tumas, Daniel
; APPLICANT: VanLookeren, Menno
; APPLICANT: Vandlen, Richard
; APPLICANT: Watanabe, Colin
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William
; APPLICANT: Yansura, Daniel
; TITLE OF INVENTION: IL-17 HOMOLOGOUS POLYPEPTIDES AND THERAPEUTIC USES THEREOF
; FILE REFERENCE: P1381R1C1P1(US)
; CURRENT APPLICATION NUMBER: US/11/311,555
; PRIOR FILING DATE: 2005-12-20
; PRIOR APPLICATION NUMBER: US/09/747,259
; PRIOR FILING DATE: 2000-12-20
; PRIOR APPLICATION NUMBER: US 09/311,832
; PRIOR FILING DATE: 1999-05-14
; PRIOR APPLICATION NUMBER: US 60/172,096
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: PCT/US99/31274
; PRIOR FILING DATE: 1999-12-30
; PRIOR APPLICATION NUMBER: US 60/175,481
; PRIOR FILING DATE: 2000-01-11
; PRIOR APPLICATION NUMBER: PCT/US00/04341
; PRIOR FILING DATE: 2000-02-18
; PRIOR APPLICATION NUMBER: PCT/US00/05841
; PRIOR FILING DATE: 2000-03-02
; PRIOR APPLICATION NUMBER: US 60/191,007
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: PCT/US00/07532
; PRIOR FILING DATE: 2000-06-02
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 39
; SEQ ID NO 6
; LENGTH: 177
; TYPE: PRT
; ORGANISM: Homo Sapien
US-11-311-555-6

Query Match 100.0%; Score 177; DB 7; Length 177;
Best Local Similarity 100.0%; Pred. No. 4.3e-182;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MRERPRLGEDSSLSLFQVAFVAMVGMGTHYSHWPCSCPSKGQDTSEELLRWSTVPVP 60
Db 1 MRERPRLGEDSSLSLFQVAFVAMVGMGTHYSHWPCSCPSKGQDTSEELLRWSTVPVP 60
Qy 61 PLEPARNRHPESCRASEDGPLNSRAISPMRYELDRDLNRLPDLYHARCLCPHCVSLOT 120
Db 61 PLEPARNRHPESCRASEDGPLNSRAISPMRYELDRDLNRLPDLYHARCLCPHCVSLOT 120

Qy 121 GSHMDPRGNSSELYHNQTVFYRRPCHGEKXGTHKGYCLERRLYRVSLACVCRPRVMG 177
Db 121 GSHMDPRGNSSELYHNQTVFYRRPCHGEKXGTHKGYCLERRLYRVSLACVCRPRVMG 177
RESULT 2
US-11-311-561-6
; Sequence 6, Application US/11311561
; Publication No. US20060088917A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Chen, Jian
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul
; APPLICANT: Grimaldi, Christopher
; APPLICANT: Gurney, Austin
; APPLICANT: Li, Hanzhong
; APPLICANT: Hillan, Kenneth
; APPLICANT: Tumas, Daniel
; APPLICANT: VanLookeren, Menno
; APPLICANT: Vandlen, Richard
; APPLICANT: Watanabe, Colin
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William
; APPLICANT: Yansura, Daniel
; TITLE OF INVENTION: IL-17 HOMOLOGOUS POLYPEPTIDES AND THERAPEUTIC USES THEREOF
; FILE REFERENCE: P1381R1C1P1(US)
; CURRENT APPLICATION NUMBER: US/11/311,561
; PRIOR FILING DATE: 2005-12-20
; PRIOR APPLICATION NUMBER: US/09/747,259
; PRIOR FILING DATE: 2000-12-20
; PRIOR APPLICATION NUMBER: US 09/311,832
; PRIOR FILING DATE: 1999-05-14
; PRIOR APPLICATION NUMBER: US 60/172,096
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: PCT/US99/31274
; PRIOR FILING DATE: 1999-12-30
; PRIOR APPLICATION NUMBER: US 60/175,481
; PRIOR FILING DATE: 2000-01-11
; PRIOR APPLICATION NUMBER: PCT/US00/04341
; PRIOR FILING DATE: 2000-02-18
; PRIOR APPLICATION NUMBER: PCT/US00/05841
; PRIOR FILING DATE: 2000-03-02
; PRIOR APPLICATION NUMBER: US 60/191,007
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: PCT/US00/07532
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: PCT/US00/15264
; PRIOR FILING DATE: 2000-06-02
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 39
; SEQ ID NO 6
; LENGTH: 177
; TYPE: PRT
; ORGANISM: Homo Sapien
US-11-311-561-6

Query Match 100.0%; Score 177; DB 7; Length 177;
Best Local Similarity 100.0%; Pred. No. 4.3e-182;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MRERPRLGEDSSLSLFQVAFVAMVGMGTHYSHWPCSCPSKGQDTSEELLRWSTVPVP 60
Db 1 MRERPRLGEDSSLSLFQVAFVAMVGMGTHYSHWPCSCPSKGQDTSEELLRWSTVPVP 60
Qy 61 PLEPARNRHPESCRASEDGPLNSRAISPMRYELDRDLNRLPDLYHARCLCPHCVSLOT 120
Db 61 PLEPARNRHPESCRASEDGPLNSRAISPMRYELDRDLNRLPDLYHARCLCPHCVSLOT 120
Qy 121 GSHMDPRGNSSELYHNQTVFYRRPCHGEKXGTHKGYCLERRLYRVSLACVCRPRVMG 177

Db 121 GSHMDPRGNSELLVHNQTVFYRRPCHGKGTGKGYCLERRLYRVSLACVCRPRVMG 177

RESULT 3

US-11-101-316-156
; Sequence 156, Application US/11101316
; Publication No. US20060099657A1
; GENERAL INFORMATION:
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: ANTIBODIES TO A POLYPEPTIDE ENCODED BY A NUCLEIC ACID
; FILE REFERENCE: P3230R1C17C1
; CURRENT APPLICATION NUMBER: US/11/101,316
; PRIOR FILING DATE: 2005-04-06
; PRIOR FILING DATE: 2002-05-03
; PRIOR FILING DATE: 10/006867
; PRIOR FILING DATE: 2001-12-06
; PRIOR APPLICATION NUMBER: PCT/US00/23328
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: 09/380137
; PRIOR FILING DATE: 1999-08-25
; PRIOR APPLICATION NUMBER: PCT/US99/12252
; PRIOR FILING DATE: 1999-06-02
; PRIOR APPLICATION NUMBER: 60/087759
; PRIOR FILING DATE: 1998-06-02
; NUMBER OF SEQ ID NOS: 170
; SEQ ID NO 156
; LENGTH: 177
; TYPE: PRT
; ORGANISM: Homo Sapien
US-11-101-316-156

Query Match 100.0%; Score 177; DB 7; Length 177;
Best Local Similarity 100.0%; Pred. No. 4.3e-182;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MRERPRIGEDSSLSLFLQVVAFLAMVNGTHTYSHWPSCCPKSGQDTSEELLRWSTVPVP 60
Db 1 MRERPRIGEDSSLSLFLQVVAFLAMVNGTHTYSHWPSCCPKSGQDTSEELLRWSTVPVP 60
Qy 61 PLEPARPNRHPECSRASEDGPLNSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLOT 120
Db 61 PLEPARPNRHPECSRASEDGPLNSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLOT 120
Qy 121 GSHMDPRGNSELLVHNQTVFYRRPCHGKGTGKGYCLERRLYRVSLACVCRPRVMG 177
Db 121 GSHMDPRGNSELLVHNQTVFYRRPCHGKGTGKGYCLERRLYRVSLACVCRPRVMG 177

RESULT 4

US-11-311-554-6
; Sequence 6, Application US/11311554
; Publication No. US20060134755A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Chen, Jian
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul
; APPLICANT: Grimaldi, Christopher
; APPLICANT: Gurney, Austin
; APPLICANT: Li, Hanzhong
; APPLICANT: Hillan, Kenneth
; APPLICANT: Tumas, Daniel
; APPLICANT: VanLookeren, Menno
; APPLICANT: Vandlen, Richard
; APPLICANT: Watanabe, Colin

; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William
; APPLICANT: Yaneura, Daniel
; TITLE OF INVENTION: IL-17 HOMOLOGOUS POLYPEPTIDES AND THERAPEUTIC USES THEREOF
; FILE REFERENCE: P1381R1C1P1 (US)
; CURRENT APPLICATION NUMBER: US/11/311,554
; CURRENT FILING DATE: 2005-12-20
; PRIOR APPLICATION NUMBER: US/09/747,259
; PRIOR FILING DATE: 2000-12-20
; PRIOR APPLICATION NUMBER: US 09/311,832
; PRIOR FILING DATE: 1999-05-14
; PRIOR APPLICATION NUMBER: US 60/172,096
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: PCT/US99/31274
; PRIOR FILING DATE: 1999-12-30
; PRIOR APPLICATION NUMBER: US 60/175,481
; PRIOR FILING DATE: 2000-01-11
; PRIOR APPLICATION NUMBER: PCT/US00/04341
; PRIOR FILING DATE: 2000-02-18
; PRIOR APPLICATION NUMBER: PCT/US00/05841
; PRIOR FILING DATE: 2000-03-02
; PRIOR APPLICATION NUMBER: US 60/191,007
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: PCT/US00/07532
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: PCT/US00/15264
; PRIOR FILING DATE: 2000-06-02
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 39
; SEQ ID NO 6
; LENGTH: 177
; TYPE: PRT
; ORGANISM: Homo Sapien
US-11-311-554-6

Query Match 100.0%; Score 177; DB 7; Length 177;
Best Local Similarity 100.0%; Pred. No. 4.3e-182;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MRERPRIGEDSSLSLFLQVVAFLAMVNGTHTYSHWPSCCPKSGQDTSEELLRWSTVPVP 60
Db 1 MRERPRIGEDSSLSLFLQVVAFLAMVNGTHTYSHWPSCCPKSGQDTSEELLRWSTVPVP 60
Qy 61 PLEPARPNRHPECSRASEDGPLNSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLOT 120
Db 61 PLEPARPNRHPECSRASEDGPLNSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLOT 120
Qy 121 GSHMDPRGNSELLVHNQTVFYRRPCHGKGTGKGYCLERRLYRVSLACVCRPRVMG 177
Db 121 GSHMDPRGNSELLVHNQTVFYRRPCHGKGTGKGYCLERRLYRVSLACVCRPRVMG 177

RESULT 5

US-10-953-349-3137
; Sequence 3137, Application US/10953349
; Publication No. US20060107345A1
; GENERAL INFORMATION:
; APPLICANT: ALEXANDROV, Nikolai et al.
; TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
; FILE REFERENCE: ENCODED THERBY
; FILE REFERENCE: 2750-1579PUS2
; CURRENT APPLICATION NUMBER: US/10/953,349
; CURRENT FILING DATE: 2004-09-30
; NUMBER OF SEQ ID NOS: 40252
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 3137
; LENGTH: 65
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-10-953-349-3137

Query Match 4.0%; Score 7; DB 6; Length 65;
Best Local Similarity 100.0%; Pred. No. 2.1;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 SLISLFL 18
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Db 18 SLISLFL 24

RESULT 6

US-10-953-349-1230
; Sequence 1230, Application US/10953349
; Publication No. US20060107345A1
; GENERAL INFORMATION:
; APPLICANT: ALEXANDROV, Nikolai et al.
; TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
; FILE REFERENCE: 2750-1579PUS2
; CURRENT APPLICATION NUMBER: US/10/953,349
; CURRENT FILING DATE: 2004-09-30
; NUMBER OF SEQ ID NOS: 40252
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1230
; LENGTH: 145
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-10-953-349-1230

Query Match 4.0%; Score 7; DB 6; Length 145;
Best Local Similarity 100.0%; Pred. No. 4.4;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 19 QVVAFLA 25
|||||
Db 4 QVVAFLA 10

RESULT 7

US-10-953-349-1228
; Sequence 1228, Application US/10953349
; Publication No. US20060107345A1
; GENERAL INFORMATION:
; APPLICANT: ALEXANDROV, Nikolai et al.
; TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
; FILE REFERENCE: 2750-1579PUS2
; CURRENT APPLICATION NUMBER: US/10/953,349
; CURRENT FILING DATE: 2004-09-30
; NUMBER OF SEQ ID NOS: 40252
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1228
; LENGTH: 172
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-10-953-349-1228

Query Match 4.0%; Score 7; DB 6; Length 172;
Best Local Similarity 100.0%; Pred. No. 5.1;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 19 QVVAFLA 25
|||||
Db 31 QVVAFLA 37

RESULT 8

US-10-953-349-31925
; Sequence 31925, Application US/10953349
; Publication No. US20060107345A1
; GENERAL INFORMATION:
; APPLICANT: ALEXANDROV, Nikolai et al.
; TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
; FILE REFERENCE: 2750-1579PUS2
; CURRENT APPLICATION NUMBER: US/10/953,349

; CURRENT FILING DATE: 2004-09-30
; NUMBER OF SEQ ID NOS: 40252
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 31925
; LENGTH: 264
; TYPE: PRT
; ORGANISM: Triticum aestivum
US-10-953-349-31925

Query Match 4.0%; Score 7; DB 6; Length 264;
Best Local Similarity 100.0%; Pred. No. 7.5;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 19 QVVAFLA 25
|||||
Db 117 QVVAFLA 123

RESULT 9

US-10-449-902-47552
; Sequence 47552, Application US/10449902
; Publication No. US20060123505A1
; GENERAL INFORMATION:
; APPLICANT: National Institute of Agrobiological Sciences.
; APPLICANT: Bio-oriented Technology Research Advancement Institution.
; APPLICANT: The Institute of Physical and Chemical Research.
; APPLICANT: Foundation for Advancement of International Science.
; TITLE OF INVENTION: FULL-LENGTH PLANT cDNA AND USES THEREOF
; FILE REFERENCE: MOA-A0205Y1-US
; CURRENT APPLICATION NUMBER: US/10/449,902
; CURRENT FILING DATE: 2003-05-29
; PRIOR APPLICATION NUMBER: JP 2002-203269
; PRIOR FILING DATE: 2002-05-30
; PRIOR APPLICATION NUMBER: JP 2002-383870
; PRIOR FILING DATE: 2002-12-11
; NUMBER OF SEQ ID NOS: 56791
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 47552
; LENGTH: 264
; TYPE: PRT
; ORGANISM: Oryza sativa
US-10-449-902-47552

Query Match 4.0%; Score 7; DB 6; Length 264;
Best Local Similarity 100.0%; Pred. No. 7.5;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 19 QVVAFLA 25
|||||
Db 117 QVVAFLA 123

RESULT 10

US-10-953-349-31924
; Sequence 31924, Application US/10953349
; Publication No. US20060107345A1
; GENERAL INFORMATION:
; APPLICANT: ALEXANDROV, Nikolai et al.
; TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
; FILE REFERENCE: 2750-1579PUS2
; CURRENT APPLICATION NUMBER: US/10/953,349
; CURRENT FILING DATE: 2004-09-30
; NUMBER OF SEQ ID NOS: 40252
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 31924
; LENGTH: 299
; TYPE: PRT
; ORGANISM: Triticum aestivum
US-10-953-349-31924

Query Match 4.0%; Score 7; DB 6; Length 299;
Best Local Similarity 100.0%; Pred. No. 8.5;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 19 QVVAFLA 25
|||||
Db 152 QVVAFLA 158

RESULT 11

US-10-953-349-27751
; Sequence 27751, Application US/10953349
; Publication No. US20060107345A1

GENERAL INFORMATION:

; APPLICANT: ALEXANDROV, Nikolai et al.
; TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES

; FILE REFERENCE: 2750-1579PUS2
; CURRENT APPLICATION NUMBER: US/10/953,349
; CURRENT FILING DATE: 2004-09-30
; NUMBER OF SEQ ID NOS: 40252
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 27751

; LENGTH: 308
; TYPE: PRT
; ORGANISM: Triticum aestivum
US-10-953-349-27751

Query Match 4.0%; Score 7; DB 6; Length 308;
Best Local Similarity 100.0%; Pred. No. 8.7;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 58 PVPPLP 64
|||||
Db 47 PVPPLP 53

RESULT 12

US-10-449-902-55144
; Sequence 55144, Application US/10449902
; Publication No. US20060123505A1

GENERAL INFORMATION:

; APPLICANT: National Institute of Agrobiological Sciences.
; APPLICANT: Bio-oriented Technology Research Advancement Institution.

; APPLICANT: The Institute of Physical and Chemical Research.

; APPLICANT: Foundation for Advancement of International Science.

; TITLE OF INVENTION: FULL-LENGTH PLANT cDNA AND USES THEREOF

; FILE REFERENCE: MOA-A0205Y1-US
; CURRENT APPLICATION NUMBER: US/10/449,902
; CURRENT FILING DATE: 2003-05-29
; PRIOR APPLICATION NUMBER: JP 2002-203269
; PRIOR FILING DATE: 2002-05-30

; PRIOR APPLICATION NUMBER: JP 2002-383870

; PRIOR FILING DATE: 2002-12-11

; NUMBER OF SEQ ID NOS: 56791

; SOFTWARE: PatentIn ver. 2.1

; SEQ ID NO 55144

; LENGTH: 325

; TYPE: PRT

; ORGANISM: Oryza sativa

US-10-449-902-55144

Query Match 4.0%; Score 7; DB 6; Length 325;
Best Local Similarity 100.0%; Pred. No. 9.1;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 19 QVVAFLA 25
|||||
Db 178 QVVAFLA 184

RESULT 13

US-10-953-349-27750
; Sequence 27750, Application US/10953349
; Publication No. US20060107345A1

GENERAL INFORMATION:

; APPLICANT: ALEXANDROV, Nikolai et al.

; TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES

; FILE REFERENCE: 2750-1579PUS2

; CURRENT APPLICATION NUMBER: US/10/953,349

; CURRENT FILING DATE: 2004-09-30

; NUMBER OF SEQ ID NOS: 40252

; SOFTWARE: PatentIn version 3.3

; SEQ ID NO 27750

; LENGTH: 335

; TYPE: PRT

; ORGANISM: Triticum aestivum

US-10-953-349-27750

Query Match 4.0%; Score 7; DB 6; Length 335;
Best Local Similarity 100.0%; Pred. No. 9.4;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 58 PVPPLP 64
|||||
Db 74 PVPPLP 80

RESULT 14

US-10-953-349-879
; Sequence 879, Application US/10953349
; Publication No. US20060107345A1

GENERAL INFORMATION:

; APPLICANT: ALEXANDROV, Nikolai et al.

; TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES

; FILE REFERENCE: 2750-1579PUS2

; CURRENT APPLICATION NUMBER: US/10/953,349

; CURRENT FILING DATE: 2004-09-30

; NUMBER OF SEQ ID NOS: 40252

; SOFTWARE: PatentIn version 3.3

; SEQ ID NO 879

; LENGTH: 341

; TYPE: PRT

; ORGANISM: Arabidopsis thaliana

US-10-953-349-879

Query Match 4.0%; Score 7; DB 6; Length 341;
Best Local Similarity 100.0%; Pred. No. 9.5;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 19 QVVAFLA 25
|||||
Db 194 QVVAFLA 200

RESULT 15

US-10-953-349-31923
; Sequence 31923, Application US/10953349
; Publication No. US20060107345A1

GENERAL INFORMATION:

; APPLICANT: ALEXANDROV, Nikolai et al.

; TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES

; FILE REFERENCE: 2750-1579PUS2

; CURRENT APPLICATION NUMBER: US/10/953,349

; CURRENT FILING DATE: 2004-09-30

; NUMBER OF SEQ ID NOS: 40252

; SOFTWARE: PatentIn version 3.3

; SEQ ID NO 31923

; LENGTH: 341

; TYPE: PRT

; ORGANISM: Triticum aestivum

US-10-953-349-31923

Query Match 4.0%; Score 7; DB 6; Length 341;
Best Local Similarity 100.0%; Pred. No. 9.5;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 19 QVAFLA 25
|||||||
Db 194 QVAFLA 200

RESULT 16

US-10-449-902-43568
; Sequence 43568, Application US/10449902
; Publication No. US20060123505A1
; GENERAL INFORMATION:
; APPLICANT: National Institute of Agrobiological Sciences.
; APPLICANT: Bio-oriented Technology Research Advancement Institution.
; APPLICANT: The Institute of Physical and Chemical Research.
; TITLE OF INVENTION: Foundation for Advancement of International Science.
; FILE REFERENCE: MOA-A0205Y1-US
; CURRENT APPLICATION NUMBER: US/10/449,902
; CURRENT FILING DATE: 2003-05-29
; PRIOR APPLICATION NUMBER: JP 2002-203269
; PRIOR FILING DATE: 2002-05-30
; PRIOR APPLICATION NUMBER: JP 2002-383870
; PRIOR FILING DATE: 2002-12-11
; NUMBER OF SEQ ID NOS: 56791
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 43568
; LENGTH: 343
; TYPE: PRT
; ORGANISM: Oryza sativa
US-10-449-902-43568

Query Match 4.0%; Score 7; DB 6; Length 343;
Best Local Similarity 100.0%; Pred. No. 9.6;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 19 QVAFLA 25
|||||||
Db 196 QVAFLA 202

RESULT 17

US-10-953-349-878
; Sequence 878, Application US/10953349
; Publication No. US20060107345A1
; GENERAL INFORMATION:
; APPLICANT: ALEXANDROV, Nikolai et al.
; TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
; FILE REFERENCE: 2750-1579PUS2
; CURRENT APPLICATION NUMBER: US/10/953,349
; CURRENT FILING DATE: 2004-09-30
; NUMBER OF SEQ ID NOS: 40252
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 878
; LENGTH: 347
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-10-953-349-878

Query Match 4.0%; Score 7; DB 6; Length 347;
Best Local Similarity 100.0%; Pred. No. 9.7;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 19 QVAFLA 25
|||||||
Db 200 QVAFLA 206

RESULT 18

US-10-953-349-877
; Sequence 877, Application US/10953349
; Publication No. US20060107345A1

; GENERAL INFORMATION:
; APPLICANT: ALEXANDROV, Nikolai et al.
; TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
; FILE REFERENCE: 2750-1579PUS2
; CURRENT APPLICATION NUMBER: US/10/953,349
; CURRENT FILING DATE: 2004-09-30
; NUMBER OF SEQ ID NOS: 40252
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 877
; LENGTH: 358
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-10-953-349-877

Query Match 4.0%; Score 7; DB 6; Length 358;
Best Local Similarity 100.0%; Pred. No. 10;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 19 QVAFLA 25
|||||||
Db 211 QVAFLA 217

RESULT 19

US-10-449-902-56262
; Sequence 56262, Application US/10449902
; Publication No. US20060123505A1
; GENERAL INFORMATION:
; APPLICANT: National Institute of Agrobiological Sciences.
; APPLICANT: Bio-oriented Technology Research Advancement Institution.
; APPLICANT: The Institute of Physical and Chemical Research.
; APPLICANT: Foundation for Advancement of International Science.
; TITLE OF INVENTION: FULL-LENGTH PLANT cDNA AND USES THEREOF
; FILE REFERENCE: MOA-A0205Y1-US
; CURRENT APPLICATION NUMBER: US/10/449,902
; CURRENT FILING DATE: 2003-05-29
; PRIOR APPLICATION NUMBER: JP 2002-203269
; PRIOR FILING DATE: 2002-05-30
; PRIOR APPLICATION NUMBER: JP 2002-383870
; PRIOR FILING DATE: 2002-12-11
; NUMBER OF SEQ ID NOS: 56791
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 56262
; LENGTH: 475
; TYPE: PRT
; ORGANISM: Oryza sativa
US-10-449-902-56262

Query Match 4.0%; Score 7; DB 6; Length 475;
Best Local Similarity 100.0%; Pred. No. 13;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 43 KGQDTSE 49
|||||||
Db 336 KGQDTSE 342

RESULT 20

US-10-449-902-34759
; Sequence 34759, Application US/10449902
; Publication No. US20060123505A1
; GENERAL INFORMATION:
; APPLICANT: National Institute of Agrobiological Sciences.
; APPLICANT: Bio-oriented Technology Research Advancement Institution.
; APPLICANT: The Institute of Physical and Chemical Research.
; APPLICANT: Foundation for Advancement of International Science.
; TITLE OF INVENTION: FULL-LENGTH PLANT cDNA AND USES THEREOF
; FILE REFERENCE: MOA-A0205Y1-US
; CURRENT APPLICATION NUMBER: US/10/449,902
; CURRENT FILING DATE: 2003-05-29
; PRIOR APPLICATION NUMBER: JP 2002-203269
; PRIOR FILING DATE: 2002-05-30

; PRIOR APPLICATION NUMBER: JP 2002-383870
; PRIOR FILING DATE: 2002-12-11
; NUMBER OF SEQ ID NOS: 56791
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 34759
; LENGTH: 60
; TYPE: PRT
; ORGANISM: Oryza sativa
US-10-449-902-34759

Query Match 3.4%; Score 6; DB 6; Length 60;
Best Local Similarity 100.0%; Pred. No. 23;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 11 SSLISL 16
Db 17 SSLISL 22
|||||

RESULT 21
US-10-953-349-13148
; Sequence 13148, Application US/10953349
; Publication No. US20060107345A1
; GENERAL INFORMATION:
; APPLICANT: ALEXANDROV, Nikolai et al.
; TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
; FILE REFERENCE: 2750-1579PUS2
; CURRENT APPLICATION NUMBER: US/10/953,349
; CURRENT FILING DATE: 2004-09-30
; NUMBER OF SEQ ID NOS: 40252
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 13148
; LENGTH: 67
; TYPE: PRT
; ORGANISM: Glycine max
US-10-953-349-13148

Query Match 3.4%; Score 6; DB 6; Length 67;
Best Local Similarity 100.0%; Pred. No. 25;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 58 PVPPLP 63
Db 32 PVPPLP 37
|||||

RESULT 22
US-10-449-902-54198
; Sequence 54198, Application US/10449902
; Publication No. US20060123505A1
; GENERAL INFORMATION:
; APPLICANT: National Institute of Agrobiological Sciences.
; APPLICANT: Bio-oriented Technology Research Advancement Institution.
; APPLICANT: The Institute of Physical and Chemical Research.
; APPLICANT: Foundation for Advancement of International Science.
; TITLE OF INVENTION: FULL-LENGTH PLANT cDNA AND USES THEREOF
; FILE REFERENCE: MOA-A0205Y1-US
; CURRENT APPLICATION NUMBER: US/10/449,902
; CURRENT FILING DATE: 2003-05-29
; PRIOR FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: JP 2002-203269
; PRIOR FILING DATE: 2002-05-30
; PRIOR APPLICATION NUMBER: JP 2002-383870
; PRIOR FILING DATE: 2002-12-11
; NUMBER OF SEQ ID NOS: 56791
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 54198
; LENGTH: 86
; TYPE: PRT
; ORGANISM: Oryza sativa
US-10-449-902-54198

Query Match 3.4%; Score 6; DB 6; Length 86;

Best Local Similarity 100.0%; Pred. No. 32;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 14 ISLFLQ 19
Db 48 ISLFLQ 53
|||||

RESULT 23
US-10-449-902-55748
; Sequence 55748, Application US/10449902
; Publication No. US20060123505A1
; GENERAL INFORMATION:
; APPLICANT: National Institute of Agrobiological Sciences.
; APPLICANT: Bio-oriented Technology Research Advancement Institution.
; APPLICANT: The Institute of Physical and Chemical Research.
; APPLICANT: Foundation for Advancement of International Science.
; TITLE OF INVENTION: FULL-LENGTH PLANT cDNA AND USES THEREOF
; FILE REFERENCE: MOA-A0205Y1-US
; CURRENT APPLICATION NUMBER: US/10/449,902
; CURRENT FILING DATE: 2003-05-29
; PRIOR FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: JP 2002-203269
; PRIOR FILING DATE: 2002-05-30
; PRIOR APPLICATION NUMBER: JP 2002-383870
; PRIOR FILING DATE: 2002-12-11
; NUMBER OF SEQ ID NOS: 56791
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 55748
; LENGTH: 86
; TYPE: PRT
; ORGANISM: Oryza sativa
US-10-449-902-55748

Query Match 3.4%; Score 6; DB 6; Length 86;
Best Local Similarity 100.0%; Pred. No. 32;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 14 ISLFLQ 19
Db 48 ISLFLQ 53
|||||

RESULT 24
US-10-953-349-27092
; Sequence 27092, Application US/10953349
; Publication No. US20060107345A1
; GENERAL INFORMATION:
; APPLICANT: ALEXANDROV, Nikolai et al.
; TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
; FILE REFERENCE: 2750-1579PUS2
; CURRENT APPLICATION NUMBER: US/10/953,349
; CURRENT FILING DATE: 2004-09-30
; NUMBER OF SEQ ID NOS: 40252
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 27092
; LENGTH: 97
; TYPE: PRT
; ORGANISM: Triticum aestivum
US-10-953-349-27092

Query Match 3.4%; Score 6; DB 6; Length 97;
Best Local Similarity 100.0%; Pred. No. 36;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 136 NQTVPY 141
Db 32 NQTVPY 37
|||||

RESULT 25
US-11-219-121-10
; Sequence 10, Application US/11219121

```
; Publication No. US20060093601A1
; GENERAL INFORMATION:
; APPLICANT: Fong, Sherman
; APPLICANT: Dennis Mark S.
; TITLE OF INVENTION: HUMANIZED ANTI-BETA7 ANTAGONISTS AND USES THEREFOR
; FILE REFERENCE: P2159R1
; CURRENT APPLICATION NUMBER: US/11/219,121
; CURRENT FILING DATE: 2005-09-02
; PRIOR APPLICATION NUMBER: US 60/607,377
; PRIOR FILING DATE: 2004-09-03
; NUMBER OF SEQ ID NOS: 68
; SEQ ID NO 10
; LENGTH: 108
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: sequence is synthesized
US-11-219-121-10
```

```
Query Match          3.4%; Score 6; DB 7; Length 108;
Best Local Similarity 100.0%; Pred. No. 39;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 73 SCRASE 78
Db 22 SCRASE 27
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Search completed: July 6, 2006, 08:20:33
Job time : 23 secs
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GenCore version 5.1.9
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: July 6, 2006, 08:10:36 ; Search time 38 Seconds
(without alignments)
448.168 Million cell updates/sec

Title: US-10-617-573-6

Perfect score: 177

Sequence: 1 MRERPRLGEDSLISLFQV.....ERRLYRVSLACVCVRPRVMG 177

Scoring table: OLIGO

Gapop 60.0 , Gapext 60.0

Searched: 283416 seqs, 96216763 residues

Word size : 1

Total number of hits satisfying chosen parameters: 283416

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 100 summaries

Database :

PIR_80:*
1: Pirl1.*
2: Pirl2.*
3: Pirl3.*
4: Pirl4.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	8	4.5	863	2	D88216 protein B0495, 7 [i
2	7	4.0	150	2	D10913 hypothetical prote
3	7	4.0	160	2	F81864 probable acyl-CoA
4	7	4.0	160	2	G81079 acyl CoA thioester
5	7	4.0	227	2	H89793 hypothetical prote
6	7	4.0	283	1	H64088 heat shock protein
7	7	4.0	291	2	S27721 hypothetical prote
8	7	4.0	337	2	D70132 hypothetical prote
9	7	4.0	339	2	T00684 hypothetical prote
10	7	4.0	362	2	A35616 T-cell surface gly
11	7	4.0	420	2	E75596 probable O-antigen
12	7	4.0	445	2	T47813 hypothetical prote
13	7	4.0	460	2	C71884 hypothetical prote
14	7	4.0	461	1	E64630 virulence factor m
15	7	4.0	496	2	S83300 probable excision
16	7	4.0	585	2	A84919 auxin-regulated pr
17	7	4.0	648	2	T21467 hypothetical prote
18	7	4.0	706	1	C42640 kinesin-related pr
19	7	4.0	786	1	D75630 glycerophosphoryl
20	7	4.0	882	2	G83018 pyruvate dehydroge
21	7	4.0	986	2	T38205 RanBP7/importin-be
22	7	4.0	999	2	T19275 hypothetical prote
23	7	4.0	1119	2	T32074 hypothetical prote
24	7	4.0	1255	1	B44213 structural polypro
25	7	4.0	2222	2	T13924 sdk protein - frui
26	6	3.4	47	2	A40703 androgen-binding p
27	6	3.4	51	2	T42308 hypothetical prote
28	6	3.4	71	1	Q01860 J/R protein - vari
29	6	3.4	71	2	D72171 K/R protein - vari

30	6	3.4	72	2	I49510 gene APRT protein
31	6	3.4	73	1	ASLJCE vpu protein - capr
32	6	3.4	83	2	C69820 hypothetical prote
33	6	3.4	84	1	B44275 nonstructural prot
34	6	3.4	84	1	D46346 nonstructural prot
35	6	3.4	84	1	MNIHB3 nonstructural prot
36	6	3.4	84	2	S58183 nonstructural prot
37	6	3.4	84	2	S58187 nonstructural prot
38	6	3.4	84	2	S58185 nonstructural prot
39	6	3.4	88	1	MNIHMS truncated response
40	6	3.4	88	2	H95338 Ig kappa chain V r
41	6	3.4	91	2	S25462 Ig kappa chain V r
42	6	3.4	92	2	S38622 Ig kappa chain V r
43	6	3.4	95	2	S25177 Ig kappa chain V r
44	6	3.4	96	2	B49442 Ig light chain V r
45	6	3.4	97	2	AI1923 hypothetical prote
46	6	3.4	98	2	S70598 NADH2 dehydrogenas
47	6	3.4	100	2	S33338 protamine P2 - red
48	6	3.4	102	2	PH1079 Ig light chain V r
49	6	3.4	102	2	AG2112 hypothetical prote
50	6	3.4	102	2	AE2503 hypothetical prote
51	6	3.4	103	2	S67585 probable membrane
52	6	3.4	103	2	G64576 hypothetical prote
53	6	3.4	106	2	S26343 Ig kappa chain V r
54	6	3.4	107	2	S26344 Ig kappa chain V r
55	6	3.4	107	2	S26344 Ig kappa chain V r
56	6	3.4	109	2	PH0093 Ig kappa chain V r
57	6	3.4	109	2	B71155 hypothetical prote
58	6	3.4	111	1	KVMS13 Ig kappa chain V r
59	6	3.4	111	1	KVMS37 Ig kappa chain V r
60	6	3.4	111	1	KVMS50 Ig kappa chain V r
61	6	3.4	111	1	KVMS80 Ig kappa chain V r
62	6	3.4	111	2	PL0081 Ig kappa chain V r
63	6	3.4	111	2	E53285 Ig kappa chain V a
64	6	3.4	111	2	S37202 Ig kappa chain V r
65	6	3.4	111	2	S09965 Ig kappa chain V-J
66	6	3.4	111	2	S09969 Ig kappa chain V-J
67	6	3.4	111	2	D45722 anti-glycoprotein
68	6	3.4	111	2	A33936 Ig kappa chain V r
69	6	3.4	113	2	F71053 hypothetical prote
70	6	3.4	113	2	S39716 ywK protein - Bac
71	6	3.4	115	2	S63596 Ig kappa chain V r
72	6	3.4	115	2	H83514 conserved hypothet
73	6	3.4	117	2	I68824 T-cell receptor al
74	6	3.4	120	2	S06732 Ig kappa chain pre
75	6	3.4	120	2	S06731 Ig kappa chain pre
76	6	3.4	120	2	I54487 T-cell receptor al
77	6	3.4	122	2	G86494 hypothetical prote
78	6	3.4	122	2	A81543 hypothetical prote
79	6	3.4	122	2	D72128 hypothetical prote
80	6	3.4	123	2	PL0032 T-cell receptor de
81	6	3.4	126	2	E82794 hypothetical prote
82	6	3.4	130	1	S28734 hypothetical prote
83	6	3.4	130	2	F84164 hypothetical prote
84	6	3.4	131	1	KVMSM6 Ig kappa chain pre
85	6	3.4	132	2	T08535 transfer origin pr
86	6	3.4	132	2	S22957 traK protein - Esc
87	6	3.4	134	2	E72293 hypothetical prote
88	6	3.4	134	2	S41108 cytochrome c550 -
89	6	3.4	136	2	C85495 hypothetical prote
90	6	3.4	136	2	G64734 yacL protein - Esc
91	6	3.4	136	2	C90644 hypothetical prote
92	6	3.4	140	2	S09216 Ig heavy chain pre
93	6	3.4	140	2	H71800 hypothetical prote
94	6	3.4	141	2	F81433 probable heme-bind
95	6	3.4	142	1	A25800 gonadotropin beta
96	6	3.4	142	1	C36179 gonadotropin II be
97	6	3.4	143	2	A87678 hypothetical prote
98	6	3.4	146	2	F84005 hypothetical prote
99	6	3.4	149	2	AC2483 hypothetical prote
100	6	3.4	151	2	S37017 transposase (clone

Db 19 SLISLFL 25

RESULT 6

H64088

heat shock protein htpX - Haemophilus influenzae (strain Rd KW20)

C:Species: Haemophilus influenzae

C:Date: 10-Sep-1999 #sequence_revision 10-Sep-1999 #text_change 09-Jul-2004

C:Accession: H64088

R:Flaichmann, R.D.; Adams, M.D.; White, O.; Clayton, R.A.; Kirkness, E.F.; Kerlavage, A.; Gocayne, J.D.; Scott, J.; Shirley, R.; Liu, L.I.; Glodek, A.; Kelley, J.M.; Weidman, J.; D.M.; Brandon, R.C.; Fine, L.D.; Fritchman, J.L.; Fuhrmann, J.L.; Geoghagen, N.S.M. Science 269, 496-512, 1995

A:Authors: Gnehm, C.L.; McDonald, L.A.; Snall, K.V.; Fraser, C.M.; Smith, H.O.; Venter, A.; Title: Whole-genome random sequencing and assembly of Haemophilus influenzae Rd.

A:Reference number: A64000; MUID:95350630; PMID:7542800

A:Accession: H64088

A:Status: nucleic acid sequence not shown; translation not shown

A:Molecule type: DNA

A:Residues: 1-283 <TIGR>

A:Cross-references: UNIPROT:P44840; UNIPARC:UPI000003174D; GB:U32755; GB:L42023; NID:g3227721

C:Genetics:

A:Gene: htpX

C:Superfamily: heat-shock protein htpX

C:Keywords: ATP; heat shock; metalloproteinase; P-loop; transmembrane protein; zinc

F:12-28/Domain: transmembrane #status predicted <TM1>

F:35-51/Domain: transmembrane #status predicted <TM2>

F:150-166/Domain: transmembrane #status predicted <TM3>

F:193-209/Domain: transmembrane #status predicted <TM4>

F:139,143/Binding site: zinc (His). #status predicted

F:140/Active site: Glu #status predicted

Query Match 4.0%; Score 7; DB 1; Length 283;

Best Local Similarity 100.0%; Pred. No. 31;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 SLISLFL 18

Db 47 SLISLFL 53

RESULT 7

hypothetical protein 291 - Synecocystis sp. (strain PCC 6803)

C:Species: Synecocystis sp.

A:Variety: PCC 6803

C:Date: 17-Apr-1993 #sequence_revision 17-Apr-1993 #text_change 09-Jul-2004

C:Accession: S33615; S75613; S27721

R:Malakhov, M.P.; Wada, H.; Los, D.A.; Sakamoto, T.; Murata, N. Plant Mol. Biol. 21, 913-918, 1993

A:Title: Structure of a cyanobacterial gene encoding the 50S ribosomal protein L9.

A:Reference number: S33614; MUID:93222488; PMID:8467083

A:Accession: S33615

A:Status: preliminary; nucleic acid sequence not shown; translation not shown

A:Molecule type: DNA

A:Residues: 1-291 <MA>

A:Cross-references: UNIPROT:P42350; UNIPARC:UPI000013A85D; GB:D10716; NID:g217098; PIDN:R:Kaneko, T.; Sato, S.; Kotani, H.; Tanaka, A.; Asamizu, E.; Nakamura, Y.; Miyajima, N.; O. K.; Okumura, S.; Shimpo, S.; Takeuchi, C.; Wada, T.; Watanabe, A.; Yamada, M.; Yasuda DNA Res. 3, 109-136, 1996

A:Title: Sequence analysis of the genome of the unicellular cyanobacterium Synecocystis sp.

A:Reference number: S74322; MUID:97061201; PMID:8905231

A:Accession: S75613

A:Status: preliminary

A:Molecule type: DNA

A:Residues: 1-291 <KAN>

A:Cross-references: UNIPARC:UPI000013A85D; EMBL:D90912; GB:AB001339; NID:g1653228; PIDN:A:Note: the nucleotide sequence was submitted to the EMBL Data Library, June 1996

Query Match 4.0%; Score 7; DB 2; Length 291;

Best Local Similarity 100.0%; Pred. No. 32;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 11 SSLISLF 17

Db 4 SSLISLF 10

RESULT 8

D70132

hypothetical protein BB0260 - Lyme disease spirochete

C:Species: Borrelia burgdorferi (Lyme disease spirochete)

C:Date: 13-Feb-1998 #sequence_revision 13-Feb-1998 #text_change 09-Jul-2004

C:Accession: D70132

R:Fraser, C.M.; Casjens, S.; Huang, W.M.; Sutton, G.G.; Clayton, R.; Lathigra, R.; White son, D.; Peterson, J.; Kerlavage, A.R.; Quackenbush, J.; Salzberg, S.; Hanson, M.; Vugt ; Bowman, C.; Garland, S.; Fujii, C.; Cotton, M.D.; Horst, K.; Roberts, K.; Hatch, B. Nature 390, 580-586, 1997

A:Authors: Smith, H.O.; Venter, J.C.

A:Title: Genomic sequence of a Lyme disease spirochete, Borrelia burgdorferi.

A:Reference number: A70100; MUID:98065943; PMID:9403685

A:Accession: D70132

A:Status: preliminary; nucleic acid sequence not shown; translation not shown

A:Molecule type: DNA

A:Residues: 1-337 <LUE>

A:Cross-references: UNIPROT:O51275; UNIPARC:UPI00000573ED; GB:AE001136; GB:AE000783; NID:A:Experimental source: strain B31

Query Match 4.0%; Score 7; DB 2; Length 337;

Best Local Similarity 100.0%; Pred. No. 36;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 12 SLISLFL 18

Db 291 SLISLFL 297

RESULT 9

T00684

hypothetical protein At2g44040 [imported] - Arabidopsis thaliana

N:Alternate names: hypothetical protein F6E13.17

C:Species: Arabidopsis thaliana (mouse-ear cress)

C:Date: 01-Feb-1999 #sequence_revision 01-Feb-1999 #text_change 09-Jul-2004

C:Accession: T00684; F84873

R:Rounsley, S.D.; Kaul, S.; Lin, X.; Ketchum, K.A.; Crosby, M.L.; Brandon, R.C.; Sykes, submitted to the EMBL Data Library, June 1998

A:Description: Arabidopsis thaliana chromosome II BAC F6E13 genomic sequence.

A:Reference number: Z14180

A:Accession: T00684

A:Status: translated from GB/EMBL/DDBJ

A:Molecule type: DNA

A:Residues: 1-339 <ROU>

A:Cross-references: UNIPROT:O80574; UNIPARC:UPI000017AF9E; EMBL:AC004005; NID:g3212846; A:Experimental source: cultivar Columbia

R:Lin, X.; Kaul, S.; Rounsley, S.D.; Shea, T.P.; Benito, M.I.; Town, C.D.; Fujii, C.Y.; M.; Koo, H.; Moffat, K.S.; Cronin, L.A.; Shen, M.; VanAken, S.E.; Unayam, L.; Tallon, L.; euss, D.; Nierman, W.C.; White, O.; Eisen, J.A.; Salzberg, S.L.; Fraser, C.M.; Venter, J. Nature 402, 761-768, 1999

A:Title: Sequence and analysis of chromosome 2 of the plant Arabidopsis thaliana.

A:Reference number: A84420; MUID:20083487; PMID:10617197

A:Accession: F84873

A:Status: preliminary

A:Molecule type: DNA

A:Residues: 1-339 <STO>

A:Cross-references: UNIPARC:UPI000017AF9E; GB:AE002093; NID:g3212861; PIDN:AAC23412.1; G C:Genetics:

A:Gene: F6E13.17; At2g44040

A:Map position: 2

A:Introns: 70/3; 150/1; 194/3; 219/3; 253/3; 290/2

C:Superfamily: dihydrodipicolinate reductase

Query Match 4.0%; Score 7; DB 2; Length 339;

Best Local Similarity 100.0%; Pred. No. 36;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 19 QVVAFLA 25
|||||
Db 194 QVVAFLA 200

RESULT 10
A35616
T-cell surface glycoprotein CD44 - hamster
C:Species: Cricetinae gen. sp. (hamster)
C:Date: 31-Mar-1991 #sequence_revision 31-Mar-1991 #text_change 09-Jul-2004
C:Accession: A35616
R:Aruffo, A.; Stamenkovic, I.; Melnick, M.; Underhill, C.B.; Seed, B.
Cell 61, 1303-1313, 1990
A:Title: CD44 is the principal cell surface receptor for hyaluronate.
A:Reference number: A35616; MUID:90304889; PMID:1694723
A:Accession: A35616
A:Status: nucleic acid sequence not shown; not compared with conceptual translation
A:Molecule type: mRNA
A:Residues: 1-362 <ARU>
A:Cross-references: UNIPROT:P20944; UNIPARC:UPI0000179518
C:Superfamily: human cell adhesion protein CD44
C:Keywords: cell adhesion; glycoprotein; transmembrane protein

QY 124 MDPGRNS 130
|||||
Db 228 MDPGRNS 234

RESULT 11
E75596
probable O-antigen transporter RfbX - Deinococcus radiodurans (strain R1)
C:Species: Deinococcus radiodurans
C:Date: 03-Dec-1999 #sequence_revision 03-Dec-1999 #text_change 09-Jul-2004
C:Accession: E75596
R:White, O.; Eisen, J.A.; Heidelberg, J.F.; Hickey, E.K.; Peterson, J.D.; Dodson, R.J.;
M.; Shen, M.; Vamathevan, J.J.; Lam, P.; McDonald, L.; Utterback, T.; Zalewski, C.; Ma
S.; Smith, H.O.; Venter, J.C.; Fraser, C.M.
Science 286, 1571-1577, 1999
A:Title: Genome sequence of the radioresistant bacterium Deinococcus radiodurans R1.
A:Reference number: A75250; MUID:20036896; PMID:10567266
A:Accession: E75596
A:Status: preliminary
A:Molecule type: DNA
A:Residues: 1-420 <WHI>
A:Cross-references: UNIPROT:Q9RZB9; UNIPARC:UPI000000D3B8B; GB:AE001862; GB:AE001825; NID
C:Genetics:
A:Experimental source: strain R1
A:Map position: 2
A:Gene: DRA0035
C:Superfamily: O-antigen transporter protein

QY 16 LFLQVVA 22
|||||
Db 177 LFLQVVA 183

RESULT 12
T47813
hypothetical protein F24G16.160 - Arabidopsis thaliana
C:Species: Arabidopsis thaliana (mouse-ear cress)
C:Date: 20-Apr-2000 #sequence_revision 20-Apr-2000 #text_change 09-Jul-2004
C:Accession: T47813
R:D'Angelo, M.; Vezzi, A.; Modesto, D.; Pigazzi, M.; Valle, G.; Mewes, H.W.; Lemcke, K.;
submitted to the Protein Sequence Database, February 2000

A:Reference number: Z24477
A:Accession: T47813
A:Status: preliminary
A:Molecule type: DNA
A:Residues: 1-445 <DAN>
A:Cross-references: UNIPROT:Q9M1Y5; UNIPARC:UPI00000488A8; EMBL:AL138647
A:Experimental source: cultivar Columbia, BAC clone F24G16
C:Genetics:
A:Map position: 3
A:Introns: 5/2; 78/3; 158/1; 202/3; 227/3; 261/3; 298/2; 327/3; 378/1; 397/3
A:Notes: F24G16.160
C:Superfamily: dihydroadipicolinate reductase

Query Match 4.0%; Score 7; DB 2; Length 445;
Best Local Similarity 100.0%; Pred. No. 45;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 19 QVVAFLA 25
|||||
Db 202 QVVAFLA 208

RESULT 13
C71884
hypothetical protein jhp0817 - Helicobacter pylori (strain J99)
C:Species: Helicobacter pylori
A:Variety: strain J99
C:Date: 12-Feb-1999 #sequence_revision 12-Feb-1999 #text_change 09-Jul-2004
C:Accession: C71884
R:Alm, R.A.; Ling, L.S.L.; Moir, D.T.; King, B.L.; Brown, E.D.; Doig, P.C.; Smith, D.R.;
Ives, C.; Gibson, R.; Merberg, D.; Mills, S.D.; Jiang, Q.; Taylor, D.E.; Vovis, G.F.;
Nature 397, 176-180, 1999
A:Title: Genomic sequence comparison of two unrelated isolates of the human gastric path
A:Reference number: A71800; MUID:99120557; PMID:9923682
A:Accession: C71884
A:Status: preliminary
A:Molecule type: DNA
A:Residues: 1-460 <ARN>
A:Cross-references: UNIPROT:Q9ZKW7; UNIPARC:UPI000012FA8D; GB:AE001511; GB:AE001439; NID
A:Experimental source: strain J99
C:Genetics:
A:Gene: jhp0817
C:Superfamily: mvin protein

Query Match 4.0%; Score 7; DB 2; Length 460;
Best Local Similarity 100.0%; Pred. No. 46;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 SLISLFL 18
|||||
Db 370 SLISLFL 376

RESULT 14
E64630
virulence factor mvin protein - Helicobacter pylori (strain 26695)
C:Species: Helicobacter pylori
C:Date: 10-Sep-1999 #sequence_revision 10-Sep-1999 #text_change 09-Jul-2004
C:Accession: E64630
R:Tomb, J.F.; White, O.; Kerlavage, A.R.; Clayton, R.A.; Sutton, G.G.; Fleischmann, R.D.;
Peterson, S.; Loftus, B.; Richardson, D.; Dodson, R.; Khalak, H.G.; Glodek, A.; McKenne
son, J.D.; Kelley, J.M.; Cotton, M.D.; Weidman, J.M.; Fujii, C.; Bowman, C.; Watthey, L.
Nature 388, 539-547, 1997
A:Authors: Wallin, E.; Hayes, W.S.; Borodovsky, M.; Karpk, P.D.; Smith, H.O.; Fraser, C.
A:Title: The complete genome sequence of the gastric pathogen Helicobacter pylori.
A:Reference number: A64520; MUID:97394467; PMID:9252185
A:Accession: E64630
A:Status: preliminary; nucleic acid sequence not shown; translation not shown
A:Molecule type: DNA
A:Residues: 1-461 <TOM>
A:Cross-references: UNIPROT:O25551; UNIPARC:UPI000012FA8E; GB:AE000598; GB:AE000511; NID
C:Superfamily: mvin protein

Query Match 4.0%; Score 7; DB 1; Length 461;
 Best Local Similarity 100.0%; Pred. No. 46;
 Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 12 SLISLFL 18
 DB 371 SLISLFL 377
 |||||

RESULT 15

S58300
 probable excision repair endonuclease - fission yeast (Schizosaccharomyces pombe)
 C;Species: Schizosaccharomyces pombe
 C;Date: 14-Jan-1996 #sequence_revision 01-Mar-1996 #text_change 09-Jul-2004
 C;Accession: T37913; T37585; S58300
 R;Devlin, K.; Churcher, C.M.; Barrell, B.G.; Rajandream, M.A.; Walsh, S.V.
 submitted to the EMBL Data Library, August 1995
 A;Reference number: Z21753
 A;Accession: T37913
 A;Status: preliminary; translated from GB/EMBL/DBJ
 A;Molecule type: DNA
 A;Residues: 1-496 <DE2>
 A;Cross-references: UNIPROT:Q09708; UNIPARC:UPI000013A0A7; EMBL:Z50728; NID:G929886; PID
 A;Experimental source: strain 972h.; cosmid c18B11
 R;Devlin, K.; Odell, C.; Churcher, C.M.; Barrell, B.G.; Rajandream, M.A.; Walsh, S.V.
 submitted to the EMBL Data Library, November 1995
 A;Reference number: Z21727
 A;Accession: T37585
 A;Status: preliminary
 A;Molecule type: DNA
 A;Residues: 421-496 <DEV>
 A;Cross-references: UNIPARC:UPI0000168FFB; EMBL:Z66568; PIDN:CAB55872.1.; GSPDB:GN000066;
 C;Genetics:
 A;Gene: SPAC18B11.01c
 A;Map position: 1L

Query Match 4.0%; Score 7; DB 2; Length 496;
 Best Local Similarity 100.0%; Pred. No. 49;
 Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 157 LERLYR 163
 DB 266 LERLYR 272
 |||||

RESULT 16

A84919
 auxin-regulated protein GH3 homolog At2g47750 - Arabidopsis thaliana
 C;Species: Arabidopsis thaliana (mouse-ear cress)
 C;Date: 02-Feb-2001 #sequence_revision 02-Feb-2001 #text_change 09-Jul-2004
 C;Accession: A84919
 R;Lin, X.; Kaul, S.; Rounsley, S.D.; Shea, T.P.; Benito, M.I.; Town, C.D.; Fujii, C.Y.;
 M.; Koo, H.; Moffat, K.S.; Cronin, L.A.; Shen, M.; VanAken, S.E.; Umayam, L.; Tallon, L.;
 euss, D.; Niekman, W.C.; White, O.; Eisen, J.A.; Salzberg, S.L.; Fraser, C.M.; Venter, J.
 Nature 402, 761-768, 1999
 A;Title: Sequence and analysis of chromosome 2 of the plant Arabidopsis thaliana.
 A;Reference number: A84420; MUID:20083487; PMID:10617197
 A;Accession: A84919
 A;Status: preliminary
 A;Molecule type: DNA
 A;Residues: 1-585 <STO>
 A;Cross-references: UNIPROT:O82243; UNIPARC:UPI00000AC341; GB:AE002093; NID:G3738288; PI
 C;Genetics:
 A;Gene: At2g47750
 A;Map position: 2
 C;Superfamily: soybean auxin-regulated protein GH3

Query Match 4.0%; Score 7; DB 2; Length 585;
 Best Local Similarity 100.0%; Pred. No. 56;
 Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 GEDSLI 14
 |||||

Db 78 GEDSLI 84

RESULT 17

T21467
 hypothetical protein F28B1.6 - Caenorhabditis elegans
 C;Species: Caenorhabditis elegans
 C;Date: 15-Oct-1999 #sequence_revision 15-Oct-1999 #text_change 09-Jul-2004
 C;Accession: T21467
 R;Matthews, L.
 submitted to the EMBL Data Library, November 1996
 A;Reference number: Z19426
 A;Accession: T21467
 A;Status: preliminary; translated from GB/EMBL/DBJ
 A;Molecule type: DNA
 A;Residues: 1-648 <W1>
 A;Cross-references: UNIPROT:O45416; UNIPARC:UPI000007757B; EMBL:Z81517; PIDN:CAB04213.1;
 A;Experimental source: clone F28B1
 C;Genetics:
 A;Gene: CESP:F28B1.6
 A;Map position: 5
 A;Introns: 116/3; 258/2; 394/3; 609/3

Query Match 4.0%; Score 7; DB 2; Length 648;
 Best Local Similarity 100.0%; Pred. No. 61;
 Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 13 LISLFLQ 19
 DB 303 LISLFLQ 309
 |||||

RESULT 18

C42640
 kinesin-related protein KIP2 - yeast (Saccharomyces cerevisiae)
 N;Alternate names: protein P2581; protein YPL155c
 C;Species: Saccharomyces cerevisiae
 C;Date: 03-Mar-1994 #sequence_revision 03-Mar-1994 #text_change 09-Jul-2004
 C;Accession: C42640; S65166; S69444; S28232; S28234
 R;Roof, D.W.; Meluh, P.B.; Rose, M.D.
 J. Cell Biol. 118, 95-108, 1992
 A;Title: Kinesin-related proteins required for assembly of the mitotic spindle.
 A;Reference number: A42640; MUID:92317166; PMID:1618910
 A;Accession: C42640
 A;Molecule type: DNA
 A;Residues: 1-706 <ROO>
 A;Cross-references: UNIPROT:P28743; UNIPARC:UPI000012DE72; EMBL:Z11963; NID:G3852; PIDN:
 A;Note: sequence extracted from NCBI backbone (NCBIN:107719, NCBIP:107722)
 R;Purnelle, B.; Coster, F.; Goffeau, A.
 submitted to the Protein Sequence Database, May 1996
 A;Reference number: S65154
 A;Accession: S65166
 A;Molecule type: DNA
 A;Residues: 1-706 <PUP>
 A;Cross-references: UNIPARC:UPI000012DE72; EMBL:Z73511; NID:g1370329; PIDN:CAA97860.1; P
 A;Experimental source: strain S288C (AB972)
 R;Purnelle, B.; Comblez, S.; Coster, F.; Naveau, F.; Goffeau, A.
 submitted to the EMBL Data Library, March 1996
 A;Description: The sequence of 55 kb on the left arm of yeast chromosome XVI identifies
 ogue to the human phosphotyrosyl phosphatase activator PTPA and a homologue to the plant
 A;Reference number: S69428
 A;Accession: S69444
 A;Molecule type: DNA
 A;Residues: 1-706 <PUW>
 A;Cross-references: UNIPARC:UPI000012DE72; EMBL:X96770; NID:g1403537; PIDN:CAA65566.1; P
 C;Genetics:
 A;Gene: SGD:KIP2; MIPS:YPL155c
 A;Cross-references: SGD:S0006076; MIPS:YPL155c
 A;Map position: 16L
 C;Superfamily: kinesin-related protein KIF2; kinesin motor domain homology
 C;Keywords: ATP; coiled coil; microtubule binding; nucleotide binding; P-loop
 F;159-499/Domain: kinesin motor domain homology #status atypical <KMOT>
 F;202-209/Region: nucleotide-binding motif A (P-loop)

F;208/Binding site: ATP (Lys) #status predicted

Query Match 4.0%; Score 7; DB 1; Length 706;
Best Local Similarity 100.0%; Pred. No. 65;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 48 SEELLRW 54
Db 316 SEELLRW 322
|||||

RESULT 19

D75630
glycerophosphoryl diester phosphodiesterase - Deinococcus radiodurans (strain R1)
C;Species: Deinococcus radiodurans
C;Date: 03-Dec-1999 #sequence_revision 03-Dec-1999 #text_change 09-Jul-2004
C;Accession: D75630
R;White, O.; Eisen, J.A.; Heideberg, J.F.; Hickey, E.K.; Peterson, J.D.; Dodson, R.J.;
M.; Shen, M.; Vamathevan, J.J.; Lam, P.; McDonald, L.; Utterback, T.; Zalewski, C.; Ma
S.; Smith, H.O.; Venter, J.C.; Fraser, C.M.
Science 286, 1571-1577, 1999
A;Title: Genome sequence of the radioresistant bacterium Deinococcus radiodurans R1.
A;Reference number: A75250; MUID:20036896; PMID:10567266
A;Accession: D75630
A;Status: preliminary
A;Molecule type: DNA
A;Residues: 1-786 <WHI>
A;Cross-references: UNIPROT:Q9RZL4; UNIPARC:UPI00000D3B5D; GB:AE001826; NID:G6460827; PI
A;Experimental source: strain R1
C;Genetics:
A;Gene: DRB0111
A;Map position: megaplasmid
A;Genome: plasmid
A;Note: plasmid MP1

Query Match 4.0%; Score 7; DB 2; Length 786;
Best Local Similarity 100.0%; Pred. No. 71;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 160 RLRYVSL 166
Db 139 RLRYVSL 145
|||||

RESULT 20

G83018
pyruvate dehydrogenase PA5015 [imported] - Pseudomonas aeruginosa (strain PAO1)
C;Species: Pseudomonas aeruginosa
C;Date: 15-Sep-2000 #sequence_revision 15-Sep-2000 #text_change 31-Dec-2004
C;Accession: G83018
R;Stover, C.K.; Pham, X.Q.; Erwin, A.L.; Mizoguchi, S.D.; Warrenner, P.; Hickey, M.J.; B
adman, S.; Yuan, Y.; Brody, L.L.; Coulter, S.N.; Folger, K.R.; Kas, A.; Larbig, K.; Lim,
.; Lory, S.; Olson, M.V.
Nature 406, 959-964, 2000
A;Title: Complete genome sequence of Pseudomonas aeruginosa PAO1, an opportunistic patho
A;Reference number: A82950; MUID:20437337; PMID:10984043
A;Accession: G83018
A;Status: preliminary
A;Molecule type: DNA
A;Residues: 1-882 <STO>
A;Cross-references: UNIPROT:Q59637; UNIPARC:UPI0000130BF0; GB:AE004914; GB:AE004091; NID
A;Experimental source: strain PAO1
C;Genetics:
A;Gene: aceE; PA5015
C;Superfamily: Pyruvate dehydrogenase, E1 component; thiamin pyrophosphate-binding domain

Query Match 4.0%; Score 7; DB 2; Length 882;
Best Local Similarity 100.0%; Pred. No. 78;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 57 VPVPPL 63
Db 466 VPVPPL 472
|||||

RESULT 21

T38205
RanBP7/importin-beta/Csealp homolog - fission yeast (Schizosaccharomyces pombe)
C;Species: Schizosaccharomyces pombe
C;Date: 03-Dec-1999 #sequence_revision 03-Dec-1999 #text_change 09-Jul-2004
C;Accession: T38205
R;Grishchuk, K.; McIntosh, J.R.; Devlin, K.; Churcher, C.; Barrell, B.G.; Rajandream, M.;
submitted to the EMBL Data Library, February 1996
A;Reference number: Z21778
A;Accession: T38205
A;Status: preliminary; translated from GB/EMBL/DBDJ
A;Molecule type: DNA
A;Residues: 1-986 <DEV>
A;Cross-references: UNIPROT:Q10297; UNIPARC:UPI000013A83E; EMBL:Z69730; PIDN:CAA93604.1;
A;Experimental source: strain 972h-; cosmid c22H10
C;Genetics:
A;Gene: SPDB:SPAC22H10.03C
A;Map position: 1
A;Introns: 36/1; 776/3; 833/2; 873/1; 930/1; 947/3

Query Match 4.0%; Score 7; DB 2; Length 986;
Best Local Similarity 100.0%; Pred. No. 85;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 56 TVPVPPL 62
Db 347 TVPVPPL 353
|||||

RESULT 22

T19275
hypothetical protein F34D10.2 - Caenorhabditis elegans
C;Species: Caenorhabditis elegans
C;Date: 15-Oct-1999 #sequence_revision 15-Oct-1999 #text_change 09-Jul-2004
C;Accession: T19275; T21723
R;Harris, B.
submitted to the EMBL Data Library, September 1994
A;Reference number: Z19099
A;Accession: T19275
A;Status: preliminary; translated from GB/EMBL/DBDJ
A;Molecule type: DNA
A;Residues: 1-999 <WIL>
A;Cross-references: UNIPROT:Q17969; UNIPARC:UPI0000079A41; EMBL:Z37139; PIDN:CAA95494.1;
A;Experimental source: clone C14B1
R;Kershaw, J.
submitted to the EMBL Data Library, June 1994
A;Reference number: Z19464
A;Accession: T21723
A;Status: preliminary; translated from GB/EMBL/DBDJ
A;Molecule type: DNA
A;Residues: 1-999 <W12>
A;Cross-references: UNIPARC:UPI0000079A41; EMBL:Z34799; PIDN:CAA84320.1; GSPDB:GN00021;
A;Experimental source: clone F34D10
C;Genetics:
A;Gene: CRSP:F34D10.2
A;Map position: 3
A;Introns: 20/3; 40/3; 72/1; 234/3; 387/3; 457/1; 523/2; 541/3; 682/1; 784/2; 822/2; 870/

Query Match 4.0%; Score 7; DB 2; Length 999;
Best Local Similarity 100.0%; Pred. No. 86;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 12 SLISLFL 18
Db 764 SLISLFL 770
|||||

RESULT 23

T32074
hypothetical protein F22E5.3 - Caenorhabditis elegans
C;Species: Caenorhabditis elegans

C;Date: 29-Oct-1999 #sequence_revision 29-Oct-1999 #text_change 09-Jul-2004
C;Accession: T32074; T25965
R;Graves, T.; Wohldmann, P.; Clarke, K.
submitted to the EMBL Data Library, July 1997
A;Description: The sequence of *C. elegans* cosmid F22E5.
A;Reference number: Z2119
A;Accession: T32074
A;Status: preliminary; translated from GB/EMBL/DBDJ
A;Residues: 1-1119 <GRA>
A;Cross-references: UNIPROT:O16715; UNIPARC:UPI0000082122; EMBL:AF016681; PIDN:AAB66169.
A;Experimental source: strain Bristol N2; clone F22E5
R;Wu, X.; Kramer, J.
submitted to the EMBL Data Library, December 1996
A;Description: The sequence of *C. elegans* cosmid ZC239.
A;Reference number: Z20117
A;Accession: T25965
A;Status: preliminary; translated from GB/EMBL/DBDJ
A;Molecule type: DNA
A;Residues: 'M', 63-78, 'L', 80-133, 'A', 135-140, 'A', 142-171, 'E', 173-199, 'I', 201-279, 'H', 281
A;Cross-references: UNIPARC:UPI0000176112; EMBL:U80842; PIDN:AAB37946.1; GSPDB:GN000020;
A;Experimental source: strain Bristol N2; clone ZC239
C;Genetics:
A;Gene: CESP:F22E5.3; CESP:ZC239.7
A;Map position: 2
A;Introns: 52/1; 113/3; 149/1; 183/1; 238/3; 401/2; 448/3; 710/1; 772/2; 819/2; 860/3; 9
C;Superfamily: membrane-bound guanylate cyclase; guanylate cyclase catalytic domain homol

Query Match 4.0%; Score 7; DB 2; Length 1119;
Best Local Similarity 100.0%; Pred. No. 94;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 50 ELLRWST 56
Db 663 ELLRWST 669

RESULT 24
B44213
structural polyprotein - Venezuelan equine encephalitis virus (strain E676)
N;Contains: 6K protein; coat protein; membrane glycoprotein E1; membrane glycoprotein E2
C;Species: Venezuelan equine encephalitis virus
C;Date: 17-Feb-1994 #sequence_revision 17-Feb-1994 #text_change 31-Dec-2004
C;Accession: B44213
R;Kinney, R.M.; Tsuchiya, K.R.; Snider, J.M.; Trent, D.W.
Virology 191, 569-580, 1992
A;Title: Genetic evidence that epizootic Venezuelan equine encephalitis (VEE) viruses ma
A;Reference number: A44213; MUID:93079859; PMID:1448915
A;Accession: B44213
A;Molecule type: genomic RNA
A;Residues: 1-1255 <KTN>
A;Cross-references: UNIPROT:P36332; UNIPARC:UPI0000131EB2; GB:I04653; NID:g290609; PIDN:
C;Superfamily: pestivirus genome polyprotein
C;Keywords: coat protein; glycoprotein; polyprotein; transmembrane protein
F;1-275/Product: coat protein #status predicted <CTP>
F;276-334/Product: membrane glycoprotein E3 #status predicted <MG3>
F;335-757/Product: membrane glycoprotein E2 #status predicted <MG2>
F;702-722/Domain: transmembrane #status predicted <TM1>
F;758-813/Product: 6K protein #status predicted <KP6>
F;795-814/Domain: transmembrane #status predicted <TM2>
F;814-1255/Product: membrane glycoprotein E1 #status predicted <MG1>
F;1232-1249/Domain: transmembrane #status predicted <TM3>
F;147,286,652,947/Binding site: carbohydrate (Asn) (covalent) #status predicted

Query Match 4.0%; Score 7; DB 1; Length 1255;
Best Local Similarity 100.0%; Pred. No. 1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 DSSLISL 16
Db 509 DSSLISL 515

RESULT 25

T13924

sdk protein - fruit fly (*Drosophila melanogaster*)C;Species: *Drosophila melanogaster*

C;Date: 20-Sep-1999 #sequence_revision 20-Sep-1999 #text_change 09-Jul-2004

C;Accession: T13924

R;Nguyen, D.N.; Liu, Y.; Litsky, M.L.; Reinke, R.

submitted to the EMBL Data Library, February 1997

A;Description: Sidekick, a member of the immunoglobulin superfamily, is required for pat

A;Reference number: Z17809

A;Accession: T13924

A;Status: preliminary; translated from GB/EMBL/DBDJ

A;Molecule type: mRNA

A;Residues: 1-2222 <NGU>

A;Cross-references: UNIPROT:O97394; UNIPARC:UPI00000071AF; EMBL:U88578; NID:g4099554; PI

C;Genetics:

A;Gene: sdk

A;Cross-references: FlyBase:FBgn0021764

Query Match 4.0%; Score 7; DB 2; Length 2222;

Best Local Similarity 100.0%; Pred. No. 1.6e+02;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 77 SEDGFLN 83

Db 197 SEDGFLN 203

Search completed: July 6, 2006, 08:16:09

Job time : 41 secs

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GenCore version 5.1.9
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: July 6, 2006, 07:53:02 ; Search time 195 Seconds
(without alignments)
415.012 Million cell updates/sec

Title: US-10-617-573-6
Perfect score: 985
Sequence: 1 MRERPRIGEDSSLISLFQV.....ERRLYRSLACVCRPRVMG 177

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 2589679 seqs, 457216429 residues

Total number of hits satisfying chosen parameters: 2589679

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 100 summaries

- Database : A_Geneseq_8:*
- 1: geneseqp1980s:*
 - 2: geneseqp1990s:*
 - 3: geneseqp2000s:*
 - 4: geneseqp2001s:*
 - 5: geneseqp2002s:*
 - 6: geneseqp2003as:*
 - 7: geneseqp2003bs:*
 - 8: geneseqp2004s:*
 - 9: geneseqp2005s:*
 - 10: geneseqp2006s:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	985	100.0	177	4	AAB47299 PRO10272
2	985	100.0	177	4	AAB87603 Human PRO
3	985	100.0	177	4	AU04952 Human Int
4	985	100.0	177	5	ABG95928 Human sec
5	985	100.0	177	6	ABU90953 Novel hum
6	985	100.0	177	6	ABO34012 Human sec
7	985	100.0	177	6	ABU72029 Novel hum
8	985	100.0	177	6	ABU71583 Human sec
9	985	100.0	177	6	ABU72364 Human PRO
10	985	100.0	177	6	ABU91037 Human PRO
11	985	100.0	177	6	ABO27358 Human sec
12	985	100.0	177	6	ABU92553 Human sec
13	985	100.0	177	6	ABU89699 Human int
14	985	100.0	177	6	ABU81223 Human sec
15	985	100.0	177	6	ABO53337 Novel hum
16	985	100.0	177	6	ABU98340 Novel hum
17	985	100.0	177	6	ABU89345 Novel hum
18	985	100.0	177	6	ABU82552 Novel hum
19	985	100.0	177	6	ABU72594 Human IL-
20	985	100.0	177	6	ABU96516 Human PRO
21	985	100.0	177	6	ABU72186 Human PRO
22	985	100.0	177	6	ADA26944 Human PRO
23	985	100.0	177	6	ADB17213 Human tra

24	985	100.0	177	6	ADA43229	Human int
25	985	100.0	177	6	ABO44316	Human sec
26	985	100.0	177	6	ADA20018	Novel hum
27	985	100.0	177	6	ADB17401	Human tra
28	985	100.0	177	6	ADA20190	Novel hum
29	985	100.0	177	6	ABO34244	Human sec
30	985	100.0	177	6	ADA00487	Human sec
31	985	100.0	177	7	ADA49770	Human int
32	985	100.0	177	7	ABU63084	Novel hum
33	985	100.0	177	7	ADA28963	Human PRO
34	985	100.0	177	7	ADB85729	Novel hum
35	985	100.0	177	7	ADB68408	Human PRO
36	985	100.0	177	7	ADB68215	Human PRO
37	985	100.0	177	7	ADB91032	Novel hum
38	985	100.0	177	7	ADB66897	Human PRO
39	985	100.0	177	7	ADC07112	Human PRO
40	985	100.0	177	7	ADC17291	Mammalian
41	985	100.0	177	7	ADC14989	Novel hum
42	985	100.0	177	7	ADC52484	Novel hum
43	985	100.0	177	7	ADD36160	Novel hum
44	985	100.0	177	7	AD86211	Human PRO
45	985	100.0	177	7	ABW02055	Human IL-
46	985	100.0	177	7	ADG01161	Novel hum
47	985	100.0	177	7	ADG08714	Novel hum
48	985	100.0	177	7	ADG95335	Novel hum
49	985	100.0	177	7	ADH24188	Novel hum
50	985	100.0	177	7	ADG87381	Human PRO
51	985	100.0	177	7	ADH34214	Novel hum
52	985	100.0	177	7	ADH30047	Novel hum
53	985	100.0	177	7	ADH24018	Novel hum
54	985	100.0	177	7	ADG85422	Novel hum
55	985	100.0	177	7	ADH24698	Novel hum
56	985	100.0	177	7	ADH37554	Human sec
57	985	100.0	177	7	ADH02143	Human PRO
58	985	100.0	177	7	ADG87369	Human PRO
59	985	100.0	177	7	ADH37724	Novel hum
60	985	100.0	177	7	ADG85762	Novel hum
61	985	100.0	177	7	ADH24358	Novel hum
62	985	100.0	177	7	ADH38652	Novel hum
63	985	100.0	177	7	ADG88791	Human PRO
64	985	100.0	177	7	ADG83773	Human PRO
65	985	100.0	177	7	ADH29581	Novel hum
66	985	100.0	177	7	ADH27697	Novel hum
67	985	100.0	177	7	ADH37894	Human sec
68	985	100.0	177	7	ADH38071	Human sec
69	985	100.0	177	7	ADH57491	Novel hum
70	985	100.0	177	7	ADH53633	Novel hum
71	985	100.0	177	7	ADH53803	Novel hum
72	985	100.0	177	7	ADH52139	Novel hum
73	985	100.0	177	7	ADH49994	Novel hum
74	985	100.0	177	7	AD125504	Novel hum
75	985	100.0	177	7	ADH90297	Novel hum
76	985	100.0	177	7	AD125674	Novel hum
77	985	100.0	177	7	ADH97848	Novel hum
78	985	100.0	177	7	AD103696	Novel hum
79	985	100.0	177	7	AD112053	Human PRO
80	985	100.0	177	7	ADH90127	Novel hum
81	985	100.0	177	7	ADH98528	Novel hum
82	985	100.0	177	7	ADH11203	Human PRO
83	985	100.0	177	7	ADH11713	Human PRO
84	985	100.0	177	7	ADH98358	Novel hum
85	985	100.0	177	7	ADH98698	Novel hum
86	985	100.0	177	7	ADH98188	Novel hum
87	985	100.0	177	7	AD105176	Novel hum
88	985	100.0	177	7	AD103526	Novel hum
89	985	100.0	177	7	AD104921	Novel hum
90	985	100.0	177	7	ADH78375	Human PRO
91	985	100.0	177	7	ADH119719	Novel hum
92	985	100.0	177	7	ADH90467	Novel hum
93	985	100.0	177	7	AD103186	Novel hum
94	985	100.0	177	7	ADH78035	Human PRO
95	985	100.0	177	7	ADH98018	Novel hum
96	985	100.0	177	7	AD101403	Novel hum

97 985 100.0 177 7 ADI02098 Novel hum
 98 985 100.0 177 7 ADI03356 Novel hum
 99 985 100.0 177 7 ADI11543 Human PRO
 100 985 100.0 177 7 ADI02445 Novel hum

ALIGNMENTS

RESULT 1

AAB47299

ID AAB47299 standard; protein; 177 AA.

XX AC AAB47299;

XX DT 22-AUG-2001 (first entry)

XX DE PRO10272 polypeptide.

XX PRO; PRO1081; PRO1274; PRO10272; proliferation; T-lymphocyte; PRO1199;
 KW PRO1556; PRO4401; PRO10268; inhibition; stimulation; infiltration;
 KW mononuclear cell; eosinophil; erythema multiforme;
 KW polymorphonuclear neutrophil; PMN; antibody; immune-related disorder;
 KW systemic lupus erythematosus; rheumatoid arthritis; osteoarthritis;
 KW juvenile chronic arthritis; spondyloarthritis; systemic sclerosis;
 KW idiopathic inflammatory myopathy; Sjogren's syndrome; skin disease;
 KW systemic vasculitis; sarcoidosis; autoimmune haemolytic anaemia; asthma;
 KW autoimmune thrombocytopenia; thyroiditis; diabetes mellitus; allergy;
 KW immune-mediated renal disease; demyelination; central nervous system;
 KW peripheral nervous system; idiopathic demyelinating polyneuropathy;
 KW Guillain-Barre syndrome; hepatobiliary disease; eosinophilic pneumonia;
 KW chronic active hepatitis; primary biliary cirrhosis; allergic rhinitis;
 KW granulomatous hepatitis; sclerosing cholangitis; food hypersensitivity;
 KW inflammatory bowel disease; gluten-sensitive enteropathy; urticaria;
 KW Whipple's disease; idiopathic pulmonary fibrosis; contact dermatitis;
 KW psoriasis; atopic dermatitis; hypersensitivity pneumonitis;
 KW graft rejection; graft-versus-host disease.

XX OS Homo sapiens.

XX FH Key Location/Qualifiers

FT Peptide 1..32

FT /label= Signal peptide

FT Protein 33..177

FT /label= Mature PRO10272

FT Modified-site 44..50

FT /label= N-myristoylation site

FT Modified-site 127..135

FT /label= Tyrosine kinase phosphorylation site

FT Modified-site 136..140

FT /label= N-glycosylation site

FT Modified-site 150..156

FT /label= N-myristoylation site

XX WO200140465-A2.

XX 07-JUN-2001.

XX 10-NOV-2000; 2000WO-US030873.

XX 30-NOV-1999; 99WO-US028313.

XX 09-DEC-1999; 99US-0170262P.

XX 23-DEC-1999; 99US-0172059P.

XX 11-JAN-2000; 2000US-0175481P.

XX 20-JAN-2000; 2000US-0177118P.

XX 18-FEB-2000; 2000WO-US004342.

XX 03-MAR-2000; 2000US-0187202P.

XX 30-MAY-2000; 2000WO-US014941.

XX 05-JUN-2000; 2000US-0209832P.

XX 24-AUG-2000; 2000WO-US023328.

XX (GETH) GENENTECH INC.

PI Fong S, Goddard A, Godowski BJ, Grimaldi CJ, Gurney AL;
 PI Hillan KJ, Tamas D, Watanabe CK, Wood WI, Zhang Z;
 XX WPI; 2001-381384/40.
 DR N-PSDB; AAC85969.
 XX Isolated PRO polypeptide useful for treat or diagnose an immune-related
 PT disorder e.g. arthritis, asthma, allergy, diabetes or psoriasis.
 XX Claim 1; Fig 18; 124pp; English.

XX The sequences given in AAB47291-99 show PRO polypeptides. PRO1081,
 CC PRO1274 and PRO10272 stimulate the proliferation of T-lymphocytes and
 CC PRO1199, PRO1556, PRO4401 and PRO10268 inhibit the proliferation of T-
 CC lymphocytes. PRO1754 and PRO9912 act to enhance the infiltration of
 CC mononuclear cells, eosinophils or polymorphonuclear neutrophils (PMN)
 CC into the tissue of a mammal. The PRO cDNA's and antibodies which bind to
 CC them, are used to treat an immune-related disorder in a mammal. Such
 CC disorders include systemic lupus erythematosus, rheumatoid arthritis,
 CC osteoarthritis, juvenile chronic arthritis, a spondyloarthritis,
 CC systemic sclerosis, an idiopathic inflammatory myopathy, Sjogren's
 CC syndrome, systemic vasculitis, sarcoidosis, autoimmune haemolytic
 CC anaemia, autoimmune thrombocytopenia, thyroiditis, diabetes mellitus,
 CC immune-mediated renal disease, a demyelinating disease of the central or
 CC peripheral nervous system, idiopathic demyelinating polyneuropathy,
 CC Guillain-Barre syndrome, a chronic inflammatory demyelinating
 CC polyneuropathy, a hepatobiliary disease, infectious or autoimmune chronic
 CC active hepatitis, primary biliary cirrhosis, granulomatous hepatitis,
 CC sclerosing cholangitis, inflammatory bowel disease, gluten-sensitive
 CC enteropathy, Whipple's disease, an autoimmune or immune-mediated skin
 CC disease, a bullous skin disease, erythema multiforme, contact dermatitis,
 CC psoriasis, an allergic disease, asthma, allergic rhinitis, atopic
 CC dermatitis, food hypersensitivity, urticaria, an immunologic disease of
 CC the lung, eosinophilic pneumonia, idiopathic pulmonary fibrosis,
 CC hypersensitivity pneumonitis, a transplantation associated disease, graft
 CC rejection or graft-versus-host disease
 XX Sequence 177 AA;

Query Match 100.0%; Score 985; DB 4; Length 177;

Best Local Similarity 100.0%; Pred. No. 1.4e-93;

Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRERPLGEDSSLISLFLQVVAFLAVMGTHYTHWPSCCPSKGQDTSELLRWSTVPVP 60

Db 1 MRERPLGEDSSLISLFLQVVAFLAVMGTHYTHWPSCCPSKGQDTSELLRWSTVPVP 60

Qy 61 PLEPAPNRHPESCRASEDGPLNSRAISPWRYELDRDLNRLPDLYHARCLCPHCVSLOT 120

Db 61 PLEPAPNRHPESCRASEDGPLNSRAISPWRYELDRDLNRLPDLYHARCLCPHCVSLOT 120

Qy 121 GSHMDPRGNSSELYHNQTVFYRRPCHGEKTHGYCLERLYRVSLACVCVRPMVG 177

Db 121 GSHMDPRGNSSELYHNQTVFYRRPCHGEKTHGYCLERLYRVSLACVCVRPMVG 177

RESULT 2

AAB87603

ID AAB87603 standard; protein; 177 AA.

XX AC AAB87603;

XX DT 15-MAY-2001 (first entry)

XX DE Human PRO10272.

XX KW Human; PRO protein; mapping.

XX OS Homo sapiens.

XX WO200116318-A2.

XX 08-MAR-2001.

PD

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XX 24-AUG-2000; 2000WO-US023328.
XX 01-SEP-1999; 99WO-US020111.
XX 15-SEP-1999; 99WO-US021090.
XX 07-DEC-1999; 99US-0169499P.
XX 09-DEC-1999; 99US-0170262P.
XX 11-JAN-2000; 2000US-0175481P.
XX 18-FEB-2000; 2000WO-US004341.
XX 18-FEB-2000; 2000WO-US004342.
XX 22-FEB-2000; 2000WO-US004414.
XX 01-MAR-2000; 2000WO-US005601.
XX 03-MAR-2000; 2000US-0187202P.
XX 21-MAR-2000; 2000US-0191007P.
XX 30-MAR-2000; 2000WO-US008439.
XX 25-APR-2000; 2000US-0199397P.
XX 22-MAY-2000; 2000WO-US014042.
XX 05-JUN-2000; 2000US-0209832P.
XX (GETH ) GENENTECH INC.
XX Eaton DL, Filvaroff E, Gerritsen ME, Goddard A, Godowski PJ,
XX Grimaldi CJ, Gurney AL, Watanabe CK, Wood WI;
XX WPI; 2001-183260/18.
XX N-PSDB; AAF92135.
XX Eighty four nucleic acids encoding PRO polypeptides, useful in molecular
XX biology, including use as hybridization probes, and in chromosome and
XX gene mapping.
XX Claim 12; Fig 156; 278pp; English.
XX The present sequence is a human PRO polypeptide (secreted and
XX transmembrane). The PRO protein, and PRO agonists, PRO antagonists or
XX anti-PRO antibodies are useful for preparation of a medicament useful in
XX the treatment of a condition which is responsive to the PRO protein,
XX agonists, antagonists or anti-PRO antibodies. The PRO protein may also be
XX employed as molecular weight markers for protein electrophoresis. The PRO
XX coding sequence has applications in molecular biology, including use as
XX hybridisation probes, and in chromosome and gene mapping
XX Sequence 177 AA;
Query Match 100.0%; Score 985; DB 4; Length 177;
Best Local Similarity 100.0%; Pred. No. 1.4e-93;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MRERPRLGEDSSLSFLQVVAFLAMVWGTHYSHWPCSCPSKGQDTSEELLRWSTVPVP 60
Db 1 MRERPRLGEDSSLSFLQVVAFLAMVWGTHYSHWPCSCPSKGQDTSEELLRWSTVPVP 60
Qy 61 PLEPARNRHPESCRASEDGPLNSRAISPMRYELDRDLNRLPDQLYHARCLCPHCVSLOT 120
Db 61 PLEPARNRHPESCRASEDGPLNSRAISPMRYELDRDLNRLPDQLYHARCLCPHCVSLOT 120
Qy 121 GSHMDPRGNSLLVHNTQVYRRPCHGKGTGKCYCLERRLYRVSLACVCRPRVMG 177
Db 121 GSHMDPRGNSLLVHNTQVYRRPCHGKGTGKCYCLERRLYRVSLACVCRPRVMG 177
RESULT 3
AAU04952
ID AAU04952 standard; protein, 177 AA.
AC AAU04952;
XX
XX 24-OCT-2001 (first entry)
XX Human Interleukin 17E ligand, IL-17E.
XX Human; Interleukin-17E ligand; IL-17E; agonist; antagonist; PRO10272;
XX DNA 147531-2821; systemic lupus erythematosus; rheumatoid arthritis;
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KW osteoarthritis; diabetes mellitus; allergic disease; asthma;
KW demyelinating disease; degenerative cartilaginous disorder;
XX transplantation associated disease.
XX Homo sapiens.
XX Key Location/Qualifiers
XX Peptide 1..32
XX Protein /label= Signal_peptide
XX Region 33..177
XX Region /label= Mature_IL_17E
XX Region 44..50
XX Region /note= "N-myristoylation site"
XX Region 127..135
XX Region /note= "Tyrosine kinase phosphorylation site"
XX Modified-site 136..140
XX Region /note= "Asn is glycosylated"
XX Region 150..156
XX Region /note= "N-myristoylation site"
XX WO200146420-A2.
XX 28-JUN-2001.
XX 20-DEC-2000; 2000WO-US034956.
XX 23-DEC-1999; 99US-0172096P.
XX 30-DEC-1999; 99WO-US031274.
XX 11-JAN-2000; 2000US-0175481P.
XX 18-FEB-2000; 2000WO-US004341.
XX 02-MAR-2000; 2000WO-US005841.
XX 21-MAR-2000; 2000US-0191007P.
XX 21-MAR-2000; 2000WO-US007532.
XX 02-JUN-2000; 2000WO-US015264.
XX 22-JUN-2000; 2000US-0213807P.
XX 22-AUG-2000; 2000US-00644848.
XX 24-AUG-2000; 2000WO-US023328.
XX 24-OCT-2000; 2000US-0242837P.
XX 10-NOV-2000; 2000WO-US030873.
XX 28-NOV-2000; 2000US-0253646P.
XX 01-DEC-2000; 2000WO-US032678.
XX (GETH ) GENENTECH INC.
XX Chen J, Filvaroff E, Fong S, Goddard A, Godowski PJ, Grimaldi CJ;
XX Gurney AL, Li H, Hillan KJ, Tumas D, Van Lookeren M, Vandlen RL;
XX Watanabe CK, Williams PM, Wood WI, Yaneura DG;
XX WPI; 2001-451708/48.
XX N-PSDB; AAS09511.
XX Novel PRO polypeptides homologous to interleukin-17, useful for the
XX diagnosis and treatment of immune related disease e.g. rheumatoid
XX arthritis and diabetes.
XX Claim 10; Fig 6; 188pp; English.
XX The sequence is PRO10272 which is the human Interleukin 17E ligand, IL-
XX 17E, encoded by DNA 147531-2821. A composition containing ant/agonists to
XX the PRO polypeptides or individual components are useful for treating a
XX mammal with an immune related disease, e.g. systemic lupus erythematosus,
XX rheumatoid arthritis, osteoarthritis, juvenile chronic arthritis, a
XX spondyloarthropathy, systemic sclerosis, an idiopathic inflammatory
XX myopathy, Sjogren's syndrome, systemic vasculitis, sarcoidosis,
XX autoimmune haemolytic anaemia, autoimmune thrombocytopaenia, thyroiditis,
XX diabetes mellitus, immune-mediated renal disease, a demyelinating
XX disease, an autoimmune or immune-mediated skin disease, contact
XX dermatitis, an allergic disease e.g. food hypersensitivity, asthma, a
XX transplantation associated disease, or a chronic inflammatory
XX demyelinating polynuropathy. Treating a degenerative cartilaginous
XX disorder comprises administering a PRO1031 or PRO1122 polypeptide
XX agonist, or antagonist to the mammal. Numerous examples of the diseases
XX and disorders are given in the specification
```


CC indicative of the presence of an A, B, C or D polypeptide in the sample,
CC where A is a PRO10272 polypeptide, B is a PRO20110 polypeptide, C is a
CC PRO10096 polypeptide, D is a PRO19760 polypeptide, E is a PRO5801
CC polypeptide, F is a PRO1 polypeptide, G is a PRO20040 polypeptide, H is a
CC PRO20233 polypeptide and I is a PRO1490 polypeptide. The sample comprises
CC a cell suspected of expressing the A, B, C or D polypeptide. The sample comprises
CC H or I polypeptide is labeled with a detectable label or is attached to a
CC solid support. The proteins are useful for linking a bioactive molecule
CC to a cell expressing a polypeptide designated as A, B, C or D or E, F, G,
CC H or I. The bioactive molecule is a toxin, a radiolabel or an antibody.
CC The bioactive molecule causes death of the cell. A, B, C, D, E, F, G, H,
CC or I, or antibodies against them are useful for modulating a biological
CC activity of a cell expressing a polypeptide designated as A, B, C or D or
CC E, F, G, H, or I. The cell is killed. The proteins are useful for
CC identifying agonists or antagonists, for the preparation of a medicament
CC useful in the treatment of a condition which is responsive to the
CC proteins, as molecular weight markers for protein electrophoresis
CC purposes, and as therapeutic agents for treating sports-related joint
CC problems, articular cartilage defects, osteoarthritis or rheumatoid
CC arthritis. Nucleic acids encoding the proteins are useful as
CC hybridisation probes, in chromosome and gene mapping, in the generation
CC of anti-sense RNA and DNA, for the preparation of the proteins, to
CC generate transgenic or knockout animals which are useful in the
CC development and screening of therapeutic useful reagents, for chromosome
CC identification, and in gene therapy. The antibody is useful as a
CC therapeutic agent, in a diagnostic assay and for affinity purification of
CC the protein from recombinant cell culture natural sources. The present
CC sequence represents a novel secreted or transmembrane protein of the
CC invention

XX SQ Sequence 177 AA;

Query Match 100.0%; Score 985; DB 5; Length 177;
Best Local Similarity 100.0%; Pred. No. 1.4e-93;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRERPRIGEDSSLSLFQVVAFLAMVGMTHYSHWPSCCPKQDTSSELLRWSTVPVP 60
DB 1 MRERPRIGEDSSLSLFQVVAFLAMVGMTHYSHWPSCCPKQDTSSELLRWSTVPVP 60

QY 61 PLEPARNRHPESCRASEDGPLNSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLQT 120
DB 61 PLEPARNRHPESCRASEDGPLNSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLQT 120

QY 121 GSHMDPRGNSELLVHNTQVYFRRPCHGKGTGKGYCLERRLYRVSACVVRPRVMG 177
DB 121 GSHMDPRGNSELLVHNTQVYFRRPCHGKGTGKGYCLERRLYRVSACVVRPRVMG 177

RESULT 5

ABU90953

ID ABU90953 standard; protein; 177 AA.

XX AC ABU90953;

XX DT 11-JUL-2003 (first entry)

XX DE Novel human secreted and transmembrane protein PRO10272.

XX KW Human; secreted and transmembrane protein; PRO; antibody therapy;

XX KM pharmaceutical; diagnostic; biosensor; bioreactor.

XX OS Homo sapiens.

XX PN US2003018173-A1.

XX PD 23-JAN-2003.

XX PF 01-MAY-2002; 2002US-00063515.

XX PR 06-DEC-2001; 2001US-00006867.

XX PA (GETH) GENENTECH INC.

XX Eaton DL, Filvaroff E, Gerritsen WE, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Watanabe CK, Wood WI;
XX WPI; 2003-401702/38.
DR N-PSDB; ACA91241.
XX New antibody useful for identifying PRO polypeptides, for affinity
PT purification of PRO polypeptides, and for preparing a medicament for
PT diagnosing or treating conditions responsive to the antibody or PRO
PT polypeptide.
XX Disclosure; Fig 156; 345pp; English.
XX The invention describes an antibody that specifically binds to a PRO
CC polypeptide having a fully defined amino acid sequence given in the
CC specification. The antibody is useful in identifying PRO polypeptides
CC useful for various industrial applications, including pharmaceuticals,
CC diagnostics, biosensors and bioreactors. The antibody is also used for
CC affinity purification of PRO polypeptides from recombinant cell culture
CC or natural sources. The antibody, PRO polypeptide, or its agonists or
CC antagonists, may be used for preparing a medicament for diagnosing or
CC treating a condition responsive to the antibody, PRO polypeptide, or its
CC agonists or antagonists. This is the amino acid sequence of a novel human
CC secreted and transmembrane PRO polypeptide
XX Sequence 177 AA;

Query Match 100.0%; Score 985; DB 6; Length 177;
Best Local Similarity 100.0%; Pred. No. 1.4e-93;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRERPRIGEDSSLSLFQVVAFLAMVGMTHYSHWPSCCPKQDTSSELLRWSTVPVP 60
DB 1 MRERPRIGEDSSLSLFQVVAFLAMVGMTHYSHWPSCCPKQDTSSELLRWSTVPVP 60

QY 61 PLEPARNRHPESCRASEDGPLNSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLQT 120
DB 61 PLEPARNRHPESCRASEDGPLNSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLQT 120

QY 121 GSHMDPRGNSELLVHNTQVYFRRPCHGKGTGKGYCLERRLYRVSACVVRPRVMG 177
DB 121 GSHMDPRGNSELLVHNTQVYFRRPCHGKGTGKGYCLERRLYRVSACVVRPRVMG 177

RESULT 6

ABO34012

ID ABO34012 standard; protein; 177 AA.

XX AC ABO34012;

XX DT 18-SEP-2003 (first entry)

XX DE Human secreted/transmembrane protein PRO10272.

XX KW Human; secreted/transmembrane protein; PRO; tumour; cancer; cytostatic.

XX KM Homo sapiens.

XX OS US2003009013-A1.

XX PN 09-JAN-2003.

XX PD 01-MAY-2002; 2002US-00063519.

XX PF 30-DEC-1998; 98KR-00062142.

XX PR 08-MAR-1999; 99WO-US005028.

XX PR 14-MAY-1999; 99US-00311832.

XX PR 14-MAY-1999; 99WO-US010733.

XX PR 25-AUG-1999; 99US-00380137.

XX PR 25-AUG-1999; 99US-00380138.

XX PR 25-AUG-1999; 99US-00380139.

XX PR 25-AUG-1999; 99US-00380142.

PR 15-SEP-1999; 99US-00397342.
PR 18-OCT-1999; 99US-00403297.
PR 12-NOV-1999; 99US-00423844.
PR 30-DEC-1999; 99WO-US031274.
PR 18-FEB-2000; 2000WO-US004341.
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005841.
PR 21-MAR-2000; 2000WO-US007532.
PR 22-MAY-2000; 2000WO-US014042.
PR 02-JUN-2000; 2000WO-US015264.
PR 22-AUG-2000; 2000US-00644848.
PR 24-AUG-2000; 2000WO-US023328.
PR 18-SEP-2000; 2000US-00664810.
PR 18-SEP-2000; 2000US-00665350.
PR 08-NOV-2000; 2000US-00709238.
PR 10-NOV-2000; 2000WO-US030873.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000US-00747259.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001WO-US006520.
PR 22-MAR-2001; 2001US-00816744.
PR 10-MAY-2001; 2001US-00854208.
PR 10-MAY-2001; 2001US-00854280.
PR 30-MAY-2001; 2001US-00870574.
PR 01-JUN-2001; 2001WO-US017800.
PR 05-JUN-2001; 2001US-00874503.
PR 29-JUN-2001; 2001US-00869599.
PR 18-JUL-2001; 2001US-00908827.
PR 06-DEC-2001; 2001US-00006867.
PA (GETH) GENENTECH INC.
XX
XX Eaton DL, Filvaroff E, Gerritsen ME, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Watanabe CK, Wood WI;
XX
XX WPI; 2003-447384/42.
XX N-PSDB; ACD81618.
XX
PT New isolated antibody specifically binding a PRO polypeptide, useful for
PT the preparation of a medicament for treating disorders with the aberrant
PT expression or activity of the PRO polypeptide, such as tumor conditions
PT and cancer.
XX
XX Disclosure; Fig 156; 223pp; English.
XX
XX The invention relates to an antibody that binds to a secreted or
XX transmembrane protein designated PRO1446 appearing as ABO33941. The
XX protein is one of 84 PRO polypeptides which (along with their encoding
XX nucleic acids) are disclosed in the specification. The methods and
XX compositions of the present invention are useful for the preparation of a
XX medicament for the treatment of disorders associated with the aberrant
XX expression or activity of the PRO polypeptide, such as tumour conditions
XX and cancer. They can also be used to generate transgenic or knockout
XX animals useful in the development and screening of therapeutically useful
XX reagents. The PRO polypeptides and encoding nucleic acids can be used as
XX molecular weight markers for protein electrophoresis, chromosome
XX identification and tissue typing. The antibodies may be used in various
XX diagnostic, competitive binding and/or immunoprecipitation assays. The
XX present sequence represents a PRO polypeptide
XX
XX Sequence 177 AA;
Query Match 100.0%; Score 985; DB 6; Length 177;
Best Local Similarity 100.0%; Pred. No. 1.4e-93;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MRERPRLGEDSSLSLFLQVVAFLAMVGMGTHYSHWPCSCPSKQDTSSELLRWSTVPVP 60
Db 1 MRERPRLGEDSSLSLFLQVVAFLAMVGMGTHYSHWPCSCPSKQDTSSELLRWSTVPVP 60
Qy 61 PLEPARNRHPESCRASEDGPLNSRAISPMRYELDRDLNRLPDQLYHARCLCPHCVSLOT 120
Db 61 PLEPARNRHPESCRASEDGPLNSRAISPMRYELDRDLNRLPDQLYHARCLCPHCVSLOT 120

Qy 121 GSHMDPRGNSSELYHNQTVFYRRPCHGKTHGKGYCLERRLYRVSLACVCRPRVMG 177
Db 121 GSHMDPRGNSSELYHNQTVFYRRPCHGKTHGKGYCLERRLYRVSLACVCRPRVMG 177
RESULT 7
ABU72029
ID ABU72029 standard; protein; 177 AA.
XX AC ABU72029;
XX DT 11-JUN-2003 (first entry)
XX DE Novel human secreted and transmembrane protein PRO10272.
XX KW Human; secreted and transmembrane polypeptide; chromosome mapping;
KW gene mapping; transgenic animal; knockout animal;
KW therapeutic agent screening; chromosome identification; tissue typing;
KW gene therapy.
XX OS Homo sapiens.
XX PN US2003018183-A1.
XX PD 23-JAN-2003.
XX PF 01-MAY-2002; 2002US-00063512.
XX PR 06-DEC-2001; 2001US-00006867.
XX PA (GETH) GENENTECH INC.
XX PI Eaton DL, Filvaroff E, Gerritsen ME, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Watanabe CK, Wood WI;
XX WPI; 2003-330984/31.
XX N-PSDB; ACA60440.
XX
XX New secreted and transmembrane PRO polypeptides and nucleic acid
XX molecules encoding the polypeptides, useful in gene therapy or preparing
XX a medicament for treating a condition that is responsive to the PRO
XX polypeptide or antibody.
XX
XX Disclosure; Fig 156; 409pp; English.
XX
XX The invention describes novel isolated PRO polypeptides. The PRO
XX polypeptides or anti-PRO antibodies are useful in preparing a medicament
XX for treating a condition that is responsive to the PRO polypeptide or
XX antibody. The PRO nucleotide sequences may be used as hybridisation
XX probes in chromosome and gene mapping, or in generating antisense RNA and
XX DNA. PRO nucleic acids are also useful in preparing PRO polypeptides, in
XX assays to identify other proteins or molecules involved in binding
XX reaction, to generate transgenic animals or knockout animals, which in
XX turn are useful in the development and screening of therapeutically
XX useful reagents, for chromosome identification, and tissue typing. The
XX PRO polypeptides and nucleic acid molecules are also useful in gene
XX therapy, and as molecular weight markers for protein electrophoresis
XX purposes. The anti-PRO antibodies may be used in diagnostic assays for
XX PRO, or for the affinity purification of PRO from recombinant cell
XX culture or natural sources. This is the amino acid sequence of a novel
XX human secreted and transmembrane PRO polypeptide
XX
XX Sequence 177 AA;
Query Match 100.0%; Score 985; DB 6; Length 177;
Best Local Similarity 100.0%; Pred. No. 1.4e-93;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MRERPRLGEDSSLSLFLQVVAFLAMVGMGTHYSHWPCSCPSKQDTSSELLRWSTVPVP 60
Db 1 MRERPRLGEDSSLSLFLQVVAFLAMVGMGTHYSHWPCSCPSKQDTSSELLRWSTVPVP 60

QY 61 PLEPARNRHPESCRASEDGLNSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLOT 120
Db 61 PLEPARNRHPESCRASEDGLNSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLOT 120
QY 121 GSHMDPRGNSSELLYHNQTVFRRPCHGKGTHGYCLERRLYRVSACVVRPRVMG 177
Db 121 GSHMDPRGNSSELLYHNQTVFRRPCHGKGTHGYCLERRLYRVSACVVRPRVMG 177

RESULT 8
ABU71583
ID ABU71583 standard; protein; 177 AA.
XX
AC ABU71583;
XX
DT 10-JUN-2003 (first entry)
XX
DE Human secreted polypeptide PRO10272.
XX
KW Human; gene therapy; tumour; cancer.
XX
OS Homo sapiens.
XX
PN US2003013855-A1.
XX
PD 16-JAN-2003.
XX
PF 03-MAY-2002; 2002US-00063616.
XX
PR 30-DEC-1998; 98KR-00062142.
PR 08-MAR-1999; 99WO-US005028.
PR 14-MAY-1999; 99US-00311832.
PR 14-MAY-1999; 99WO-US010733.
PR 25-AUG-1999; 99US-00380137.
PR 25-AUG-1999; 99US-00380138.
PR 25-AUG-1999; 99US-00380139.
PR 25-AUG-1999; 99US-00380142.
PR 15-SEP-1999; 99US-00397342.
PR 18-OCT-1999; 99US-00403297.
PR 12-NOV-1999; 99US-00423844.
PR 30-DEC-1999; 99WO-US031274.
PR 18-FEB-2000; 2000WO-US004341.
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005841.
PR 21-MAR-2000; 2000WO-US007532.
PR 22-MAY-2000; 2000WO-US014042.
PR 02-JUN-2000; 2000WO-US015264.
PR 22-AUG-2000; 2000US-00644848.
PR 24-AUG-2000; 2000WO-US023328.
PR 18-SEP-2000; 2000US-00664610.
PR 18-SEP-2000; 2000US-00665350.
PR 08-NOV-2000; 2000US-00709238.
PR 10-NOV-2000; 2000WO-US030873.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000US-00747259.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001WO-US006520.
PR 22-MAR-2001; 2001US-00816744.
PR 10-MAY-2001; 2001US-00854208.
PR 10-MAY-2001; 2001US-00854280.
PR 30-MAY-2001; 2001US-00870574.
PR 01-JUN-2001; 2001WO-US017800.
PR 05-JUN-2001; 2001US-00874503.
PR 29-JUN-2001; 2001US-00869599.
PR 18-JUL-2001; 2001US-00908827.
PR 06-DEC-2001; 2001US-00006867.
XX
FA (GETH) GENENTECH INC.
XX
XX Eaton DL, Filvaroff E, Gerritsen ME, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Watanabe CK, Wood WI;
XX WPI; 2003-330485/31.
DR

DR N-PSDB; ACA58887.
XX
XX New isolated antibody specifically binding a PRO polypeptide, useful for
PT the preparation of a medicament for treating disorders with the aberrant
PT expression or activity of the PRO polypeptide, such as tumor conditions
XX and cancer.
PS Example 19; Page 224; 406pp; English.
XX
XX The invention relates to an antibody that binds to a polypeptide with a
CC fully defined sequence given in the specification. The methods and
CC compositions (containing antibodies that specifically bind a PRO
CC polypeptide) of the present invention are useful for the preparation of a
CC medicament for the treatment of disorders associated with the aberrant
CC expression or activity of the PRO polypeptide, such as tumour conditions
CC and cancer. They can also be used to generate transgenic or knockout
CC animals useful in the development and screening of therapeutically useful
CC reagents. The PRO polypeptides and encoding nucleic acids can be used as
CC molecular weight markers for protein electrophoresis, chromosome
CC identification and tissue typing. The PRO polypeptides are useful to
CC induce angiogenesis e.g wound healing; in the treatment of sports-related
CC joint problems, articular cartilage defects, osteoarthritis or rheumatoid
CC arthritis; diabetes; hyperinsulinaemia and hypoinsulinaemia. The
CC antibodies may be used in various diagnostic, competitive binding and/or
CC immunoprecipitation assays. The present sequence represents the amino
CC acid sequence of a PRO polypeptide of the invention
XX
SQ Sequence 177 AA;

Query Match 100.0%; Score 985; DB 6; Length 177;
Best Local Similarity 100.0%; Pred. No. 1.4e-93;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRERPRLGEDSSLISLFLQVVAFLAMVGMGTHYSHWPSCCPSKQDTSSELLRNSTVPVP 60
Db 1 MRERPRLGEDSSLISLFLQVVAFLAMVGMGTHYSHWPSCCPSKQDTSSELLRNSTVPVP 60
QY 61 PLEPARNRHPESCRASEDGLNSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLOT 120
Db 61 PLEPARNRHPESCRASEDGLNSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLOT 120
QY 121 GSHMDPRGNSSELLYHNQTVFRRPCHGKGTHGYCLERRLYRVSACVVRPRVMG 177
Db 121 GSHMDPRGNSSELLYHNQTVFRRPCHGKGTHGYCLERRLYRVSACVVRPRVMG 177

RESULT 9
ABU72364
ID ABU72364 standard; protein; 177 AA.
XX
AC ABU72364;
XX
DT 16-JUN-2003 (first entry)
XX
DE Human PRO polypeptide #78.
XX
KW Human; PRO polypeptide; secreted and transmembrane protein;
KW anti-PRO antibody; diagnostic assay; gene expression.
XX
OS Homo sapiens.
XX
PN US2002182638-A1.
XX
PD 05-DEC-2002.
XX
PF 02-MAY-2002; 2002US-00063547.
XX
PR 30-DEC-1998; 98KR-00062142.
PR 08-MAR-1999; 99WO-US005028.
PR 14-MAY-1999; 99US-00311832.
PR 14-MAY-1999; 99WO-US010733.
PR 25-AUG-1999; 99US-00380137.
PR 25-AUG-1999; 99US-00380138.
XX

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PR 25-AUG-1999; 99US-00380139.
PR 25-AUG-1999; 99US-00380142.
PR 15-SEP-1999; 99US-00397342.
PR 18-OCT-1999; 99US-00403297.
PR 12-NOV-1999; 99US-00423844.
PR 30-DEC-1999; 99WO-US031274.
PR 18-FEB-2000; 2000WO-US004341.
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005841.
PR 21-MAR-2000; 2000WO-US007532.
PR 02-JUN-2000; 2000WO-US014042.
PR 22-AUG-2000; 2000US-00644848.
PR 18-SEP-2000; 2000US-00665350.
PR 08-NOV-2000; 2000US-00709238.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000US-00747259.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001US-00816744.
PR 10-MAY-2001; 2001US-00854280.
PR 30-MAY-2001; 2001US-00870574.
PR 01-JUN-2001; 2001US-00874503.
PR 05-JUN-2001; 2001US-00874503.
PR 18-JUL-2001; 2001US-00908827.
PR 06-DEC-2001; 2001US-00006867.
XX
XX (GETH ) GENENTECH INC.
XX
XX Eaton DL, Filvaroff E, Gerritsen ME, Goddard A, Godowski PU;
XX Grimaldi JC, Gurney AL, Watanabe CK, Wood WI;
XX
XX WPI; 2003-328612/04.
XX N-PSDB; ACA64063.
XX
XX An isolated secreted transmembrane polypeptide designated PRO, useful as
XX a therapeutic agent.
XX
XX Disclosure; Fig 156; 236pp; English.
XX
XX The present invention relates to the isolation of novel human PRO
XX polypeptides, and the polynucleotide sequences encoding them. The PRO
XX polypeptides are secreted and transmembrane proteins. The PRO
XX polypeptides and polynucleotides are useful for preparing a medicament
XX useful in the treatment of a condition responsive to anti-PRO antibody.
XX Anti-PRO antibodies are useful in diagnostic assays for PRO, by detecting
XX its expression in specific cells, tissues or serum, and for affinity
XX purification of PRO from recombinant cell culture or natural sources.
XX ABU72287-ABU7230 represent the human PRO polypeptides of the invention
XX
XX Sequence 177 AA;
XX
XX Query Match 100.0%; Score 985; DB 6; Length 177;
XX Best Local Similarity 100.0%; Pred. No. 1.4e-93;
XX Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MRERPRLGDSLSLFLQVAVFLAMVNGTHYSHWSPCCSKGQDTSEELLRSTVPVP 60
DB 1 MRERPRLGDSLSLFLQVAVFLAMVNGTHYSHWSPCCSKGQDTSEELLRSTVPVP 60
QY 61 PLEPARPNRHSPESCRASEDGFNLNSRAISPWYELDRDLNRLPQDLYHARCLCPHCVSLQT 120
DB 61 PLEPARPNRHSPESCRASEDGFNLNSRAISPWYELDRDLNRLPQDLYHARCLCPHCVSLQT 120
QY 121 GSHMDPRGNSELLYHNQTVFVRRPCHGKGTGKGYCLERRLYRVSACVCVRPRVMG 177
DB 121 GSHMDPRGNSELLYHNQTVFVRRPCHGKGTGKGYCLERRLYRVSACVCVRPRVMG 177
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RESULT 10
ABU91037
ID ABU91037 standard; protein; 177 AA.
XX
XX ABU91037;
XX
XX 14-JUL-2003 (first entry)
XX
XX Human PRO polypeptide #78.
XX
XX Human; PRO polypeptide; secreted protein; transmembrane protein; rectal;
XX lung; stomach; esophageal; skin; tumour; cancer; cytostatic.
XX
XX Homo sapiens.
XX
XX US2003018168-A1.
XX
XX 23-JAN-2003.
XX
XX 02-MAY-2002; 2002US-00063569.
XX
XX 30-DEC-1998; 98KR-00062142.
XX 08-MAR-1999; 99WO-US005028.
XX 14-MAY-1999; 99US-00311832.
XX 14-MAY-1999; 99WO-US010733.
XX 25-AUG-1999; 99US-00380137.
XX 25-AUG-1999; 99US-00380138.
XX 25-AUG-1999; 99US-00380139.
XX 25-AUG-1999; 99US-00380142.
XX 15-SEP-1999; 99US-00397342.
XX 18-OCT-1999; 99US-00403297.
XX 12-NOV-1999; 99US-00423844.
XX 30-DEC-1999; 99WO-US031274.
XX 18-FEB-2000; 2000WO-US004341.
XX 01-MAR-2000; 2000WO-US005601.
XX 02-MAR-2000; 2000WO-US005841.
XX 21-MAR-2000; 2000WO-US007532.
XX 22-MAY-2000; 2000WO-US014042.
XX 02-JUN-2000; 2000WO-US015264.
XX 24-AUG-2000; 2000US-00644848.
XX 24-AUG-2000; 2000WO-US023328.
XX 18-SEP-2000; 2000US-00664610.
XX 18-SEP-2000; 2000US-00665350.
XX 08-NOV-2000; 2000US-00709238.
XX 10-NOV-2000; 2000WO-US030873.
XX 01-DEC-2000; 2000WO-US032678.
XX 20-DEC-2000; 2000US-00747259.
XX 20-DEC-2000; 2000WO-US034956.
XX 28-FEB-2001; 2001WO-US006520.
XX 22-MAR-2001; 2001US-00816744.
XX 10-MAY-2001; 2001US-00854280.
XX 30-MAY-2001; 2001US-00870574.
XX 01-JUN-2001; 2001WO-US017800.
XX 05-JUN-2001; 2001US-00874503.
XX 29-JUN-2001; 2001US-00865599.
XX 18-JUL-2001; 2001US-00908827.
XX 06-DEC-2001; 2001US-00006867.
XX
XX (GETH ) GENENTECH INC.
XX
XX Eaton DL, Filvaroff E, Gerritsen ME, Goddard A, Godowski PU;
XX Grimaldi JC, Gurney AL, Watanabe CK, Wood WI;
XX
XX WPI; 2003-401699/38.
XX N-PSDB; ACA91327.
XX
XX New isolated, secreted and transmembrane PRO polypeptide, useful for the
XX diagnosis, prevention and treatment of rectal, lung, stomach, esophageal
XX or skin cancers.
XX
XX Disclosure; Fig 156; 235pp; English.
XX
```

XX The present invention relates to the isolation of novel human PRO
CC polypeptides, and the polynucleotide sequences encoding them. The PRO
CC polypeptides are secreted and transmembrane proteins. The PRO polypeptide
CC and polynucleotide sequences are useful for the diagnosis, prevention and
CC treatment of rectal, lung, stomach, oesophageal or skin tumours, and/or
CC cancers. The PRO polypeptides are also useful as molecular weight
CC markers. The PRO polynucleotide sequences are useful for chromosome
CC identification, hybridisation probes, and for screening libraries of
CC human cDNA, genomic DNA or mRNA. They may also be used in gene therapy,
CC particularly for replacing a defective gene. ABU90960-ABU91043 represent
CC the human PRO polypeptides of the invention
XX
SQ Sequence 177 AA;
Query Match 100.0%; Score 985; DB 6; Length 177;
Best Local Similarity 100.0%; Pred. No. 1.4e-93;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MRERPRLGEDSSLSLFLQVAVFLAMVGMGTHTYSHWPCSCPSKQDTSSELLRWSTVPVP 60
DB 1 MRERPRLGEDSSLSLFLQVAVFLAMVGMGTHTYSHWPCSCPSKQDTSSELLRWSTVPVP 60
QY 61 PLEPARPNRHPECSRASDGLPNSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLQT 120
DB 61 PLEPARPNRHPECSRASDGLPNSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLQT 120
QY 121 GSHMDPRGNSSELYHNQTVFYRRPCHGKGTGKGYCLERLYRYSVLACVCPVRPMVG 177
DB 121 GSHMDPRGNSSELYHNQTVFYRRPCHGKGTGKGYCLERLYRYSVLACVCPVRPMVG 177
RESULT 11
ABO27358
ID ABO27358 standard; protein; 177 AA.
XX
AC ABO27358;
XX
DT 11-SEP-2003 (first entry)
XX
DE Human secreted/transmembrane polypeptide PRO10272.
XX
XX Human; tumour; cancer; gene therapy; tissue typing.
XX
OS Homo sapiens.
XX
XX US2003009012-A1.
XX
PD 09-JAN-2003.
XX
PF 01-MAY-2002; 2002US-00063517.
XX
PR 30-DEC-1998; 98KR-00062142.
PR 08-MAR-1999; 99WO-US005028.
PR 14-MAY-1999; 99US-00311832.
PR 14-MAY-1999; 99WO-US010733.
PR 25-AUG-1999; 99US-00380137.
PR 25-AUG-1999; 99US-00380138.
PR 25-AUG-1999; 99US-00380139.
PR 25-AUG-1999; 99US-00380142.
PR 15-SEP-1999; 99US-00397342.
PR 18-OCT-1999; 99US-00403297.
PR 12-NOV-1999; 99US-00423844.
PR 30-DEC-1999; 99WO-US031274.
PR 18-FEB-2000; 2000WO-US004341.
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005841.
PR 21-MAR-2000; 2000WO-US007532.
PR 22-MAY-2000; 2000WO-US014042.
PR 02-JUN-2000; 2000WO-US015264.
PR 22-AUG-2000; 2000US-00844848.
PR 24-AUG-2000; 2000WO-US023328.
PR 18-SEP-2000; 2000US-00664610.

PR 18-SEP-2000; 2000US-00665350.
PR 08-NOV-2000; 2000US-00709238.
PR 10-NOV-2000; 2000WO-US030873.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000US-00747259.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001WO-US006520.
PR 22-MAR-2001; 2001US-00816744.
PR 10-MAY-2001; 2001US-00854208.
PR 10-MAY-2001; 2001US-00854280.
PR 30-MAY-2001; 2001US-00870574.
PR 01-JUN-2001; 2001WO-US017800.
PR 05-JUN-2001; 2001US-00874503.
PR 29-JUN-2001; 2001US-00869599.
PR 18-JUL-2001; 2001US-00908827.
PR 06-DEC-2001; 2001US-00006867.
XX
XX (GETH) GENENTECH INC.
XX
XX Eaton DL, Filvaroff E, Gerritsen ME, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Watanabe CK, Wood WI;
XX
XX WPI; 2003-447383/42.
DR N-ESDB; ACD45226.
XX
PT New isolated antibody specifically binding a PRO polypeptide, useful for
PT the preparation of a medicament for treating disorders with the aberrant
PT expression or activity of the PRO polypeptide, such as tumor conditions
PT and cancer.
XX
PS Disclosure; Fig 156; 223pp; English.
XX
CC The invention relates to an antibody that binds to a secreted and
CC transmembrane PRO polypeptide. The methods and compositions of the
CC present invention are useful for the preparation of a medicament for the
CC treatment of disorders associated with the aberrant expression or
CC activity of the PRO polypeptide, such as tumour conditions and cancer.
CC They can also be used to generate transgenic or knockout animals useful
CC in the development and screening of therapeutically useful reagents. The
CC PRO polypeptides and encoding nucleic acids can be used as molecular
CC weight markers for protein electrophoresis, chromosome identification and
CC tissue typing. The antibodies may be used in various diagnostic,
CC competitive binding and/or immunoprecipitation assays. The present
CC sequence represents the amino acid sequence of a secreted and
CC transmembrane PRO polypeptide
XX
SQ Sequence 177 AA;
Query Match 100.0%; Score 985; DB 6; Length 177;
Best Local Similarity 100.0%; Pred. No. 1.4e-93;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MRERPRLGEDSSLSLFLQVAVFLAMVGMGTHTYSHWPCSCPSKQDTSSELLRWSTVPVP 60
DB 1 MRERPRLGEDSSLSLFLQVAVFLAMVGMGTHTYSHWPCSCPSKQDTSSELLRWSTVPVP 60
QY 61 PLEPARPNRHPECSRASDGLPNSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLQT 120
DB 61 PLEPARPNRHPECSRASDGLPNSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLQT 120
QY 121 GSHMDPRGNSSELYHNQTVFYRRPCHGKGTGKGYCLERLYRYSVLACVCPVRPMVG 177
DB 121 GSHMDPRGNSSELYHNQTVFYRRPCHGKGTGKGYCLERLYRYSVLACVCPVRPMVG 177
RESULT 12
ABU92553
ID ABU92553 standard; protein; 177 AA.
XX
XX ABU92553;
AC ABU92553;
XX
DT 17-JUL-2003 (first entry)
XX

DE Human secreted/transmembrane protein PRO10272.
XX
KW Human; PRO; secreted protein; transmembrane protein; cytostatic;
KW vulvar; osteopathic; antiarthritis; antirheumatic; lung tumour;
KW colon tumour; breast tumour; prostate tumour; rectal tumour;
KW liver tumour; tumour necrosis factor; pericyte cell proliferation;
KW TNF-alpha; proteoglycans release; cartilage; cancer; wound healing;
KW cartilage defect; osteoarthritis; rheumatoid arthritis.
XX
OS Homo sapiens.
XX
PN US2003045684-A1.
XX
PD 06-MAR-2003.
XX
XX 02-MAY-2002; 2002US-00063553.
XX
PR 30-DEC-1998; 98KR-00062142.
PR 08-MAR-1999; 99WO-US005028.
PR 14-MAY-1999; 99US-00311832.
PR 14-MAY-1999; 99WO-US010733.
PR 25-AUG-1999; 99US-00380137.
PR 25-AUG-1999; 99US-00380138.
PR 25-AUG-1999; 99US-00380139.
PR 25-AUG-1999; 99US-00380142.
PR 15-SEP-1999; 99US-00397342.
PR 18-OCT-1999; 99US-00403297.
PR 12-NOV-1999; 99US-00423844.
PR 18-FEB-1999; 99WO-US031274.
PR 18-FEB-2000; 2000WO-US004341.
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005841.
PR 21-MAR-2000; 2000WO-US007532.
PR 22-MAY-2000; 2000WO-US014042.
PR 02-JUN-2000; 2000WO-US015264.
PR 22-AUG-2000; 2000US-00644848.
PR 24-AUG-2000; 2000WO-US023328.
PR 18-SEP-2000; 2000US-00864610.
PR 18-SEP-2000; 2000US-00864610.
PR 08-NOV-2000; 2000US-00665350.
PR 08-NOV-2000; 2000US-00709238.
PR 10-NOV-2000; 2000WO-US030873.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000US-00747259.
PR 20-DEC-2000; 2000WO-US034356.
PR 28-FEB-2001; 2001WO-US006520.
PR 22-MAR-2001; 2001US-00816744.
PR 10-MAY-2001; 2001US-00854208.
PR 30-MAY-2001; 2001US-00854280.
PR 01-JUN-2001; 2001US-00870574.
PR 05-JUN-2001; 2001US-00874503.
PR 29-JUN-2001; 2001US-00869599.
PR 18-JUL-2001; 2001US-00908827.
PR 06-DEC-2001; 2001US-00006867.
XX
PA (GETH) GENENTECH INC.
XX
XX Eaton DL, Filvaroff E, Gerritsen MB, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Watanabe CK, Wood WI;
XX
XX WPI; 2003-392892/37.
XX N-PSDB; ACA93774.
XX
XX New PRO994 polypeptide, useful for detecting tumors, or for stimulating
PT Tumor Necrosis Factor alpha, or pericyte proliferation, especially for
PT treating cancer, cartilage defects, osteoarthritis and rheumatoid
PT arthritis in a mammal.
XX
XX Disclosure; Fig 156; 235pp; English.
XX
XX The invention relates to a new isolated PRO994 polypeptide comprises an
CC amino acid sequence appearing as ABUS2499, PRO994 lacking its associated
CC signal peptide, the extracellular domain of PRO994, the extracellular

CC domain of PRO994 (lacking it associated signal peptide) or the protein
CC encoded by the full-length coding sequence of the cDNA ATCC 203018. Also
CC included is a chimaeric molecule comprising the PRO994 polypeptide fused
CC to a heterologous amino acid sequence. The PRO polypeptide is useful in
CC pharmaceuticals, diagnostics, biosensors or bioeffectors. It is
CC particularly useful for detecting tumours (e.g. lung tumour, colon
CC tumour, breast tumour, prostate tumour, rectal tumour, or liver tumour)
CC in a mammal, for stimulating the release of tumour necrosis factor (TNF) -
CC alpha from human blood, for stimulating the proliferation of pericyte
CC cells, or stimulating the release of proteoglycans from cartilage. The
CC polypeptide may be employed for a variety of therapeutic purposes, e.g.
CC for treating cancer, wound healing, cartilage defects, osteoarthritis,
CC rheumatoid arthritis. Also disclosed are the cDNA encoding PRO994, 83
CC other PRO polypeptides and their encoding cDNAs. The present sequence
XX represents a PRO polypeptide of the invention
XX
SQ Sequence 177 AA;

Query Match 100.0%; Score 985; DB 6; Length 177;
Best Local Similarity 100.0%; Pred. No. 1.4e-93;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRERPRLGEDSSLSLFLQVVAFLAMVMGTHYTHSWPSCCPKQDTSBELLRWSTVPVP 60
Db 1 MRERPRLGEDSSLSLFLQVVAFLAMVMGTHYTHSWPSCCPKQDTSBELLRWSTVPVP 60

Qy 61 PLEPAPNRHPESCRASEDGPLNSRAISPMRYELDRDLNRLPDLYHARCLCHVCVSLQT 120
Db 61 PLEPAPNRHPESCRASEDGPLNSRAISPMRYELDRDLNRLPDLYHARCLCHVCVSLQT 120

Qy 121 GSHMDPRGNSSELLYHNQTFYRRPCHGEKTHGYCLERRLYRVSLACVCRPRVMG 177
Db 121 GSHMDPRGNSSELLYHNQTFYRRPCHGEKTHGYCLERRLYRVSLACVCRPRVMG 177

RESULT 13
ABUS9699
ID ABUS9699 standard; protein; 177 AA.
XX
AC ABUS9699;
XX
DT 10-JUL-2003 (first entry)
XX
XX Human interleukin 17 homologue h-IL17-E/PRO10272.
XX
XX Human; interleukin 17; IL-17; IL17 receptor; angiogenesis;
KW T-lymphocyte proliferation; inflammatory cell infiltration;
KW immune related disorder; systemic lupus erythematosus; osteoarthritis;
KW rheumatoid arthritis; spondyloarthritis; systemic sclerosis;
KW Sjogren's syndrome; sarcoidosis; autoimmune haemolytic anaemia;
KW thyroiditis; diabetes mellitus; immune-mediated renal disease;
KW demyelinating disease; Guillain-Barre syndrome; hepatobiliary disease;
KW hepatitis; inflammatory bowel disease; Whipple's disease; psoriasis;
KW immune-mediated skin disease; erythema multiforme; contact dermatitis;
KW allergic disease; asthma; atopic dermatitis; food hypersensitivity;
KW urticaria; immunologic disease of the lung; eosinophilic pneumonia;
KW idiopathic pulmonary fibrosis; transplantation associated disease;
KW graft-versus-host disease.
XX
XX Homo sapiens.
XX
XX US2003003546-A1.
XX
PD 02-JAN-2003.
XX
XX 22-MAR-2001; 2001US-00816744.
XX
XX 15-MAY-1998; 98US-0085579P.
PR 23-DEC-1998; 98US-0113621P.
PR 08-MAR-1999; 99WO-US005028.
PR 21-APR-1999; 99US-0130323P.
PR 26-APR-1999; 99US-0131022P.
PR 14-MAY-1999; 99US-00311832.

PR 14-MAY-1999; 99US-0134287P.
 PR 14-MAY-1999; 99WO-US010733.
 PR 09-JUN-1999; 99US-0138387P.
 PR 23-DEC-1999; 99US-0172096P.
 PR 30-DEC-1999; 99WO-US031274.
 PR 11-JAN-2000; 2000US-0175481P.
 PR 18-FEB-2000; 2000WO-US004341.
 PR 01-MAR-2000; 2000WO-US005601.
 PR 02-MAR-2000; 2000WO-US005841.
 PR 21-MAR-2000; 2000US-0191007P.
 PR 21-MAR-2000; 2000WO-US007532.
 PR 22-JUN-2000; 2000WO-US015284.
 PR 22-JUN-2000; 2000US-0213807P.
 PR 24-AUG-2000; 2000WO-US023328.
 PR 24-OCT-2000; 2000US-0242837P.
 PR 26-OCT-2000; 2000US-0244072P.
 PR 10-NOV-2000; 2000WO-US030873.
 PR 28-NOV-2000; 2000US-0253646P.
 PR 01-DEC-2000; 2000WO-US032678.
 PR 20-DEC-2000; 2000WO-US034956.
 PR 28-FEB-2001; 2001WO-US006520.
 PA (GETH) GENENTECH INC.
 XX
 PI Chen J, Filvaroff E, Fong S, Goddard A, Godowski P, Grimaldi C;
 PI Gurney A, Li H, Hillan K, Tumas D, Vanlookeren M, Vandlen R;
 PI Watanabe C, Williams PM, Wood WI, Yansura D;
 XX
 DR WPI; 2003-428843/40.
 DR N-PSDB; ACA89852.
 XX
 PT New PRO polypeptides and polynucleotides homologous to interleukin-17,
 PT useful for treating e.g. systemic lupus erythematosus, rheumatoid
 PT arthritis, osteoarthritis, juvenile chronic arthritis, or systemic
 PT sclerosis.
 XX
 PS Claim 10; Fig 6; 129pp; English.
 XX
 CC The invention relates to a nucleic acid having similarity to interleukin-
 CC 17 (IL-17) or IL-17 receptor comprises at least 80% nucleic acid sequence
 CC identity to a nucleotide sequence which: (a) encodes a polypeptide having
 CC a sequence of appearing as ABU89697-ABU89700 and ABU89702-ABU89705 (PI-
 CC P8), lacking or having its associated signal peptide; (b) encodes an
 CC extracellular domain of PI-P8 lacking its associated signal peptide; (c)
 CC consists of a sequence of appearing as ACA89850-ACA89853 and ACA89855-
 CC ACA8985687; or (d) consists of the full-length coding sequence of
 CC selected from SI-S8, and of the cDNA deposited under ATCC accession
 CC number 209866, 203552, PTA-1185, PTA-2108, PTA-1535, PTA-1082 or
 CC PTA-2591. Also included are expression vectors, host cells, encoded
 CC proteins, chimaeric proteins, antibodies, ant/agonists, compounds
 CC inhibiting the expression of SI-S8 or activity (or mimicking the activity
 CC of) of PI-P8, stimulating/inhibiting the proliferation of T-lymphocytes
 CC using the polypeptides or ant/agonists, enhancing the infiltration of
 CC inflammatory cells into a tissue of a mammal by administering a PRO1031
 CC polypeptide, its agonist or antagonist, and inhibiting angiogenesis
 CC induced by a PRO1031 polypeptide or its agonist in a mammal by
 CC administering a PRO1031 polypeptide, its ant/agonist or an anti-PRO1031
 CC antibody. The proteins, antibodies, ant/agonists and compounds are useful
 CC for treating an immune related disorder such as systemic lupus
 CC erythematosus, rheumatoid arthritis, osteoarthritis, juvenile chronic
 CC arthritis, a spondyloarthritis, systemic sclerosis, an idiopathic
 CC inflammatory myopathy, Sjogren's syndrome, systemic vasculitis,
 CC sarcoidosis, autoimmune haemolytic anaemia, autoimmune thrombocytopenia,
 CC thyroiditis, diabetes mellitus, immune-mediated renal disease, a
 CC demyelinating disease of the central or peripheral nervous system,
 CC idiopathic demyelinating polyneuropathy, Guillain-Barre syndrome, a
 CC chronic inflammatory demyelinating polyneuropathy, a hepatobiliary
 CC disease, infectious or autoimmune chronic active hepatitis, primary
 CC biliary cirrhosis, granulomatous hepatitis, sclerosing cholangitis,
 CC inflammatory bowel disease, gluten-sensitive enteropathy, Whipple's
 CC disease, an autoimmune or immune-mediated skin disease, a bullous skin
 CC disease, erythema multiforme, contact dermatitis, psoriasis, an allergic
 CC disease, asthma, allergic rhinitis, atopic dermatitis, food

CC hypersensitivity, urticaria, an immunologic disease of the lung,
 CC eosinophilic pneumonia, idiopathic pulmonary fibrosis, hypersensitivity
 CC pneumonitis, a transplantation associated disease, graft rejection or
 CC graft-versus-host disease. The present sequence represents an IL17 or
 CC IL17 receptor homologue of the invention
 XX
 SQ Sequence 177 AA;
 Query Match 100.0%; Score 985; DB 6; Length 177;
 Best Local Similarity 100.0%; Pred. No. 1.4e-93;
 Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Oy 1 MRERPRLGEDSSLSLFLQVAVFLAMVWGTHYTHSHWSPCCSKGQDTSEELLRWSTVPVP 60
 Db 1 MRERPRLGEDSSLSLFLQVAVFLAMVWGTHYTHSHWSPCCSKGQDTSEELLRWSTVPVP 60
 Oy 61 PLEPARPNRHPECSRASEDGPLNSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSIQT 120
 Db 61 PLEPARPNRHPECSRASEDGPLNSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSIQT 120
 Oy 121 GSHMDPRGNSELLYHNTQTVFYRRPCHGKGTGKCYCLERRLYRVSLACVCVPRVMG 177
 Db 121 GSHMDPRGNSELLYHNTQTVFYRRPCHGKGTGKCYCLERRLYRVSLACVCVPRVMG 177
 RESULT 14
 ABU81223
 ID ABU81223 standard; protein; 177 AA.
 XX AC ABU81223;
 XX AC
 DT 23-JUN-2003 (first entry)
 XX
 DE Human secreted polypeptide PRO10272.
 XX
 XX Human; affinity purification.
 XX KW
 XX KW
 OS Homo sapiens.
 XX
 PN US2003027212-A1.
 XX
 PD 06-FEB-2003.
 XX
 PF 02-MAY-2002; 2002US-00063544.
 XX
 PR 30-DEC-1998; 98KR-00062142.
 PR 08-MAR-1999; 99WO-US005028.
 PR 14-MAY-1999; 99US-00311832.
 PR 14-MAY-1999; 99WO-US010733.
 PR 25-AUG-1999; 99US-00380137.
 PR 25-AUG-1999; 99US-00380138.
 PR 25-AUG-1999; 99US-00380139.
 PR 25-AUG-1999; 99US-00380142.
 PR 15-SEP-1999; 99US-00397342.
 PR 18-OCT-1999; 99US-00403297.
 PR 12-NOV-1999; 99US-00423844.
 PR 30-DEC-1999; 99WO-US031274.
 PR 18-FEB-2000; 2000WO-US004341.
 PR 01-MAR-2000; 2000WO-US005601.
 PR 02-MAR-2000; 2000WO-US005841.
 PR 21-MAR-2000; 2000WO-US007532.
 PR 22-MAY-2000; 2000WO-US014042.
 PR 02-JUN-2000; 2000WO-US015264.
 PR 22-AUG-2000; 2000US-00644848.
 PR 24-AUG-2000; 2000WO-US023328.
 PR 18-SEP-2000; 2000US-00664610.
 PR 18-SEP-2000; 2000US-00665350.
 PR 08-NOV-2000; 2000US-00709238.
 PR 10-NOV-2000; 2000WO-US030873.
 PR 01-DEC-2000; 2000WO-US032678.
 PR 20-DEC-2000; 2000US-00747259.
 PR 20-DEC-2000; 2000WO-US034956.
 PR 28-FEB-2001; 2001WO-US006520.

Qy 121 GSHMDPRGNSLLYHNQTVFYRRPCHGKGTGTHKGYCLERRLYRVS LACVCVRPRVMG 177
Db 121 GSHMDPRGNSLLYHNQTVFYRRPCHGKGTGTHKGYCLERRLYRVS LACVCVRPRVMG 177

Search completed: July 6, 2006, 07:56:39
Job time : 199 secs

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100 125.5 12.7 180 3 US-10-013-917A-470 Sequence 470, App
ALIGNMENTS
RESULT 1
US-09-747-259-6
; Sequence 6, Application US/09747259
; Patent No. 6569645
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Chen, Jian
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul
; APPLICANT: Grimaldi, Christopher
; APPLICANT: Gurney, Austin
; APPLICANT: Li, Hanzhong
; APPLICANT: Hillan, Kenneth
; APPLICANT: Tumas, Daniel
; APPLICANT: VanLookeren, Menno
; APPLICANT: Vandlen, Richard
; APPLICANT: Watanabe, Colin
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William
; APPLICANT: Yansura, Daniel
; TITLE OF INVENTION: IL-17 HOMOLOGOUS POLYPEPTIDES AND THERAPEUTIC USES THEREOF
; FILE REFERENCE: P1381R1C1P1 (US)
; CURRENT APPLICATION NUMBER: US/09/747,259
; CURRENT FILING DATE: 2000-12-20
; PRIOR APPLICATION NUMBER: US 09/311,832
; PRIOR FILING DATE: 1999-05-14
; PRIOR APPLICATION NUMBER: US 60/172,096
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: PCT/US99/31274
; PRIOR FILING DATE: 1999-12-30
; PRIOR APPLICATION NUMBER: US 60/175,481
; PRIOR FILING DATE: 2000-01-11
; PRIOR APPLICATION NUMBER: PCT/US00/04341
; PRIOR FILING DATE: 2000-02-18
; PRIOR APPLICATION NUMBER: PCT/US00/05841
; PRIOR FILING DATE: 2000-03-02
; PRIOR APPLICATION NUMBER: US 60/191,007
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: PCT/US00/07532
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: PCT/US00/15264
; PRIOR FILING DATE: 2000-06-02
; PRIOR APPLICATION NUMBER: US 60/213,087
; PRIOR FILING DATE: 2000-06-22
; PRIOR APPLICATION NUMBER: US 09/644,848
; PRIOR FILING DATE: 2000-08-22
; PRIOR APPLICATION NUMBER: PCT/US00/23328
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: US 60/242,837
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: PCT/US00/30873
; PRIOR FILING DATE: 2000-11-10
; PRIOR APPLICATION NUMBER: US 60/253,646
; PRIOR FILING DATE: 2000-11-28
; PRIOR APPLICATION NUMBER: PCT/US00/32678
; PRIOR FILING DATE: 2000-12-01
; NUMBER OF SEQ ID NOS: 39
; SEQ ID NO 6
; LENGTH: 177
; TYPE: PRT
; ORGANISM: Homo Sapien
US-09-747-259-6
Query Match 100.0%; Score 985; DB 2; Length 177;
Best Local Similarity 100.0%; Pred. No. 2e-100;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
1 MRERPRLGEDSSLSLFLQVAFPLAMVGMTHYSHWPSCCPKSGQDTSEELLRWSTVPVP 60
1 MRERPRLGEDSSLSLFLQVAFPLAMVGMTHYSHWPSCCPKSGQDTSEELLRWSTVPVP 60
61 PLEPARPNRHPSCRASEDGPLNSRAISPMRYELDRDLNRLPDLYHARCLCPHCVSLOT 120
61 PLEPARPNRHPSCRASEDGPLNSRAISPMRYELDRDLNRLPDLYHARCLCPHCVSLOT 120
121 GSHMDPRGNSELYHNQTVFYRRPCHGKGTGKGYCLERRLYRVSLACVCVRPRVMG 177
121 GSHMDPRGNSELYHNQTVFYRRPCHGKGTGKGYCLERRLYRVSLACVCVRPRVMG 177
RESULT 2
US-09-816-744-6
; Sequence 6, Application US/09816744
; Patent No. 6579520
; GENERAL INFORMATION:
; APPLICANT: Chen, Jian
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul
; APPLICANT: Grimaldi, Christopher
; APPLICANT: Gurney, Austin
; APPLICANT: Li, Hanzhong
; APPLICANT: Hillan, Kenneth
; APPLICANT: Tumas, Daniel
; APPLICANT: VanLookeren, Menno
; APPLICANT: Vandlen, Richard
; APPLICANT: Watanabe, Colin
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William
; APPLICANT: Yansura, Daniel
; TITLE OF INVENTION: IL-17 HOMOLOGOUS POLYPEPTIDES AND THERAPEUTIC USES THEREOF
; FILE REFERENCE: P1381R1C1P2 (US)
; CURRENT APPLICATION NUMBER: US/09/816,744
; CURRENT FILING DATE: 2001-03-22
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 39
; SEQ ID NO 6
; LENGTH: 177
; TYPE: PRT
; ORGANISM: Homo Sapien
US-09-816-744-6
Query Match 100.0%; Score 985; DB 2; Length 177;
Best Local Similarity 100.0%; Pred. No. 2e-100;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
1 MRERPRLGEDSSLSLFLQVAFPLAMVGMTHYSHWPSCCPKSGQDTSEELLRWSTVPVP 60
1 MRERPRLGEDSSLSLFLQVAFPLAMVGMTHYSHWPSCCPKSGQDTSEELLRWSTVPVP 60
61 PLEPARPNRHPSCRASEDGPLNSRAISPMRYELDRDLNRLPDLYHARCLCPHCVSLOT 120
61 PLEPARPNRHPSCRASEDGPLNSRAISPMRYELDRDLNRLPDLYHARCLCPHCVSLOT 120
121 GSHMDPRGNSELYHNQTVFYRRPCHGKGTGKGYCLERRLYRVSLACVCVRPRVMG 177
121 GSHMDPRGNSELYHNQTVFYRRPCHGKGTGKGYCLERRLYRVSLACVCVRPRVMG 177
RESULT 3
US-09-949-016-9008
; Sequence 9008, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
```

FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9008
; LENGTH: 233
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-9008

Query Match 100.0%; Score 985; DB 2; Length 233;
Best Local Similarity 100.0%; Pred. No. 2.9e-100;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRERPLGEDSSLISLQVAVFLAMVMTHTYSHWPCSCPSKGQDTSEELLRWSTVPVP 60
Db 57 MRERPLGEDSSLISLQVAVFLAMVMTHTYSHWPCSCPSKGQDTSEELLRWSTVPVP 116
Qy 61 PLEPARPNRHPESCRASEDGDLNSRAISPRWRYELDRDLNRLPQDLYHARCLCPHCVSLOT 120
Db 117 PLEPARPNRHPESCRASEDGDLNSRAISPRWRYELDRDLNRLPQDLYHARCLCPHCVSLOT 176
Qy 121 GSHMDPRGNSSELYHNQTVFYRRPCHGEKGTGKGYCLERLYRVSLACVVRPVWG 177
Db 177 GSHMDPRGNSSELYHNQTVFYRRPCHGEKGTGKGYCLERLYRVSLACVVRPVWG 233

RESULT 4

US-09-480-297A-14
; Sequence 14, Application US/09480297A
; Patent No. 6562578
; GENERAL INFORMATION:
; APPLICANT: Gorman, Daniel M.
; APPLICANT: Bazan, J. Fernando
; APPLICANT: Kastelein, Robert A.
; TITLE OF INVENTION: PURIFIED MAMMALIAN CYTOKINES; RELATED REAGENTS
; FILE REFERENCE: DX0917K
; CURRENT APPLICATION NUMBER: US/09/480,297A
; CURRENT FILING DATE: 2000-01-10
; PRIOR APPLICATION NUMBER: 60/115,506
; PRIOR FILING DATE: 1999-01-11
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 14
; LENGTH: 161
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-480-297A-14

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Best Local Similarity 100.0%; Pred. No. 6.7e-91;
Matches 159; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 19 QVAVFLAMVMTHTYSHWPCSCPSKGQDTSEELLRWSTVPVPLEPARPNRHPESCRASE 78
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Qy 79 DGPLNSRAISPRWRYELDRDLNRLPQDLYHARCLCPHCVSLOTGSHMDPRGNSSELYHNQ 138
Db 63 DGPLNSRAISPRWRYELDRDLNRLPQDLYHARCLCPHCVSLOTGSHMDPRGNSSELYHNQ 122
Qy 139 VFYRRPCHGEKGTGKGYCLERLYRVSLACVVRPVWG 177
Db 123 VFYRRPCHGEKGTGKGYCLERLYRVSLACVVRPVWG 161

RESULT 5

US-09-836-385-2
; Sequence 2, Application US/09836385
; Patent No. 6676339
; GENERAL INFORMATION:
; APPLICANT: Hurst, Stephen D.
; APPLICANT: Zurawski, Sandra M.
; APPLICANT: Rennick, Donna M.
; TITLE OF INVENTION: Cytokine Uses; Compositions; Methods
; FILE REFERENCE: DX01088K
; CURRENT APPLICATION NUMBER: US/09/836,385
; CURRENT FILING DATE: 2001-04-17
; PRIOR APPLICATION NUMBER: US 60/198,488
; PRIOR FILING DATE: 2000-04-18
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 161
; TYPE: PRT
; ORGANISM: primate
US-09-836-385-2

Query Match 91.2%; Score 898; DB 2; Length 161;
Best Local Similarity 100.0%; Pred. No. 6.7e-91;
Matches 159; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 19 QVAVFLAMVMTHTYSHWPCSCPSKGQDTSEELLRWSTVPVPLEPARPNRHPESCRASE 78
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Qy 79 DGPLNSRAISPRWRYELDRDLNRLPQDLYHARCLCPHCVSLOTGSHMDPRGNSSELYHNQ 138
Db 63 DGPLNSRAISPRWRYELDRDLNRLPQDLYHARCLCPHCVSLOTGSHMDPRGNSSELYHNQ 122
Qy 139 VFYRRPCHGEKGTGKGYCLERLYRVSLACVVRPVWG 177
Db 123 VFYRRPCHGEKGTGKGYCLERLYRVSLACVVRPVWG 161

RESULT 6

US-10-366-791-14
; Sequence 14, Application US/10366791
; Patent No. 7005501
; GENERAL INFORMATION:
; APPLICANT: Gorman, Daniel M.
; APPLICANT: Bazan, J. Fernando
; APPLICANT: Kastelein, Robert A.
; TITLE OF INVENTION: PURIFIED MAMMALIAN CYTOKINES; RELATED REAGENTS
; FILE REFERENCE: DX0917K
; CURRENT APPLICATION NUMBER: US/10/366,791
; CURRENT FILING DATE: 2003-02-14
; PRIOR APPLICATION NUMBER: US/09/480,297A
; PRIOR FILING DATE: 2000-01-10
; PRIOR APPLICATION NUMBER: 60/115,506
; PRIOR FILING DATE: 1999-01-11
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 14
; LENGTH: 161
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-366-791-14

Query Match 91.2%; Score 898; DB 3; Length 161;
Best Local Similarity 100.0%; Pred. No. 6.7e-91;
Matches 159; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 19 QVAVFLAMVMTHTYSHWPCSCPSKGQDTSEELLRWSTVPVPLEPARPNRHPESCRASE 78
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Qy 79 DGPLNSRAISPRWRYELDRDLNRLPQDLYHARCLCPHCVSLOTGSHMDPRGNSSELYHNQ 138

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Db 63 DGPLNSRAISPWRYELDRDLNRLPQDLYHARCLCPHCVSLOTGSHMDPRGNSLLYHNQT 122
Qy 139 VFYRRPCHGEKGTGKGYCLERRLYRVSACVVRPRVG 177
Db 123 VFYRRPCHGEKGTGKGYCLERRLYRVSACVVRPRVG 161

RESULT 7
US-09-480-297A-18
; Sequence 18, Application US/09480297A
; Patent No. 6562578
; GENERAL INFORMATION:
; APPLICANT: Gorman, Daniel M.
; APPLICANT: Bazan, J. Fernando
; TITLE OF INVENTION: PURIFIED MAMMALIAN CYTOKINES; RELATED REAGENTS
; FILE REFERENCE: DX0917K
; CURRENT APPLICATION NUMBER: US/09/480,297A
; CURRENT FILING DATE: 2000-01-10
; PRIOR APPLICATION NUMBER: 60/115,506
; PRIOR FILING DATE: 1999-01-11
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 18
; LENGTH: 169
; TYPE: PR1
; ORGANISM: Mus musculus
US-09-480-297A-18

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Best Local Similarity 76.5%; Pred. No. 9.6e-69;
Matches 127; Conservative 9; Mismatches 22; Indels 8; Gaps 1;

Qy 19 QVAFAMVGMGTHY-----SHWPCCPKSGQDTSEELLRWSTVPVPPLEPARNRH 70
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Qy 71 PESCRASEDGPLNSRAISPWRYELDRDLNRLPQDLYHARCLCPHCVSLOTGSHMDPRGNS 130
Db 63 AESCRASKDGPLNSRAISPWRYELDRDLNRLVPQDLYHARCLCPHCVSLOTGSHMDPLGNS 122
Qy 131 ELLYHNQTVFYRRPCHGEKGTGKGYCLERRLYRVSACVVRPRVM 176
Db 123 VPLYHNQTVFYRRPCHGEETHRRYCLERRLYRVSACVVRPRVM 168

RESULT 8
US-09-836-385-4
; Sequence 4, Application US/09836385
; Patent No. 6676939
; GENERAL INFORMATION:
; APPLICANT: Hurst, Stephen D.
; APPLICANT: Zurawski, Sandra M.
; APPLICANT: Rennick, Donna M.
; TITLE OF INVENTION: Cytokine Uses; Compositions; Methods
; FILE REFERENCE: DX01088K
; CURRENT APPLICATION NUMBER: US/09/836,385
; CURRENT FILING DATE: 2001-04-17
; PRIOR APPLICATION NUMBER: US 60/198,488
; PRIOR FILING DATE: 2000-04-18
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 169
; TYPE: PR1
; ORGANISM: rodent
US-09-836-385-4

Query Match 70.8%; Score 697; DB 2; Length 169;
Best Local Similarity 76.5%; Pred. No. 9.6e-69;
Matches 127; Conservative 9; Mismatches 22; Indels 8; Gaps 1;

Qy 19 QVAFAMVGMGTHY-----SHWPCCPKSGQDTSEELLRWSTVPVPPLEPARNRH 70
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Db 3 QAVAFAMIVGTHVSLRIQGCGLPSCCPKSEPEEWLKWSSASVSPPEPLSHTH 62
Qy 71 PESCRASEDGPLNSRAISPWRYELDRDLNRLPQDLYHARCLCPHCVSLOTGSHMDPRGNS 130
Db 63 AESCRASKDGPLNSRAISPWRYELDRDLNRLVPQDLYHARCLCPHCVSLOTGSHMDPLGNS 122
Qy 131 ELLYHNQTVFYRRPCHGEKGTGKGYCLERRLYRVSACVVRPRVM 176
Db 123 VPLYHNQTVFYRRPCHGEETHRRYCLERRLYRVSACVVRPRVM 168

RESULT 9
US-10-366-791-18
; Sequence 18, Application US/10366791
; Patent No. 7005501
; GENERAL INFORMATION:
; APPLICANT: Gorman, Daniel M.
; APPLICANT: Bazan, J. Fernando
; APPLICANT: Kastelein, Robert A.
; TITLE OF INVENTION: PURIFIED MAMMALIAN CYTOKINES; RELATED REAGENTS
; FILE REFERENCE: DX0917K
; CURRENT APPLICATION NUMBER: US/10/366,791
; CURRENT FILING DATE: 2003-02-14
; PRIOR APPLICATION NUMBER: US/09/480,297A
; PRIOR FILING DATE: 2000-01-10
; PRIOR APPLICATION NUMBER: 60/115,506
; PRIOR FILING DATE: 1999-01-11
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 18
; LENGTH: 169
; TYPE: PR1
; ORGANISM: Mus musculus
US-10-366-791-18

Query Match 70.8%; Score 697; DB 3; Length 169;
Best Local Similarity 76.5%; Pred. No. 9.6e-69;
Matches 127; Conservative 9; Mismatches 22; Indels 8; Gaps 1;

Qy 19 QVAFAMVGMGTHY-----SHWPCCPKSGQDTSEELLRWSTVPVPPLEPARNRH 70
Db 3 QAVAFAMIVGTHVSLRIQGCGLPSCCPKSEPEEWLKWSSASVSPPEPLSHTH 62
Qy 71 PESCRASEDGPLNSRAISPWRYELDRDLNRLPQDLYHARCLCPHCVSLOTGSHMDPRGNS 130
Db 63 AESCRASKDGPLNSRAISPWRYELDRDLNRLVPQDLYHARCLCPHCVSLOTGSHMDPLGNS 122
Qy 131 ELLYHNQTVFYRRPCHGEKGTGKGYCLERRLYRVSACVVRPRVM 176
Db 123 VPLYHNQTVFYRRPCHGEETHRRYCLERRLYRVSACVVRPRVM 168

RESULT 10
US-09-480-297A-16
; Sequence 16, Application US/09480297A
; Patent No. 6562578
; GENERAL INFORMATION:
; APPLICANT: Gorman, Daniel M.
; APPLICANT: Bazan, J. Fernando
; APPLICANT: Kastelein, Robert A.
; TITLE OF INVENTION: PURIFIED MAMMALIAN CYTOKINES; RELATED REAGENTS
; FILE REFERENCE: DX0917K
; CURRENT APPLICATION NUMBER: US/09/480,297A
; CURRENT FILING DATE: 2000-01-10
; PRIOR APPLICATION NUMBER: 60/115,506
; PRIOR FILING DATE: 1999-01-11
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 16
; LENGTH: 144
; TYPE: PR1
; ORGANISM: Mus musculus
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RESULT 12
US-09-480-297A-23
; Sequence 23, Application US/09480297A
; Patent No. 6562578
; GENERAL INFORMATION:
; APPLICANT: Gorman, Daniel M.
; APPLICANT: Bazan, J. Fernando
; APPLICANT: Kastcieln, Robert A.
; TITLE OF INVENTION: PURIFIED MAMMALIAN CYTOKINES; RELATED REAGENTS
; FILE REFERENCE: DX0917K
; CURRENT APPLICATION NUMBER: US/09/480,297A
; CURRENT FILING DATE: 2000-01-10
; PRIOR APPLICATION NUMBER: 60/115,506
; PRIOR FILING DATE: 1999-01-11
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 23
; LENGTH: 197
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-480-297A-23

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RESULT 13	
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Sequence 4,	Sequence 4, Application number US/09/747259
Patent No. 6569645	Patent No. 6569645
GENERAL INFORMATION:	GENERAL INFORMATION:
APPLICANT: Genentech, Inc.	APPLICANT: Genentech, Inc.
APPLICANT: Chen, Jian	APPLICANT: Chen, Jian
APPLICANT: Filvaroff, Ellen	APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman	APPLICANT: Fong, Sherman
APPLICANT: Goddard, Audrey	APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul	APPLICANT: Godowski, Paul
APPLICANT: Grimaldi, Christopher	APPLICANT: Grimaldi, Christopher
APPLICANT: Gurney, Austin	APPLICANT: Gurney, Austin
APPLICANT: Li, Hanzhong	APPLICANT: Li, Hanzhong
APPLICANT: Hillan, Kenneth	APPLICANT: Hillan, Kenneth
APPLICANT: Tumas, Daniel	APPLICANT: Tumas, Daniel
APPLICANT: VanLookeren, Menno	APPLICANT: VanLookeren, Menno
APPLICANT: Vandlen, Richard	APPLICANT: Vandlen, Richard
APPLICANT: Watanabe, Colin	APPLICANT: Watanabe, Colin
APPLICANT: Williams, P. Mickey	APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William	APPLICANT: Wood, William
APPLICANT: Yansura, Daniel	APPLICANT: Yansura, Daniel
TITLE OF INVENTION: IL-17 HOMOLOGOUS	TITLE OF INVENTION: IL-17 HOMOLOGOUS
FILE REFERENCE: P1381R1C1P1 (US)	FILE REFERENCE: P1381R1C1P1 (US)
CURRENT APPLICATION NUMBER: US/09/747-259-4	CURRENT APPLICATION NUMBER: US/09/747-259-4
CURRENT FILING DATE: 2000-12-20	CURRENT FILING DATE: 2000-12-20
PRIOR APPLICATION NUMBER: US 09/311,111	PRIOR APPLICATION NUMBER: US 09/311,111
PRIOR FILING DATE: 1999-05-14	PRIOR FILING DATE: 1999-05-14
PRIOR APPLICATION NUMBER: US 60/171,111	PRIOR APPLICATION NUMBER: US 60/171,111
PRIOR FILING DATE: 1999-12-23	PRIOR FILING DATE: 1999-12-23
PRIOR APPLICATION NUMBER: PCT/US99/000,000	PRIOR APPLICATION NUMBER: PCT/US99/000,000
PRIOR FILING DATE: 1999-12-30	PRIOR FILING DATE: 1999-12-30
PRIOR APPLICATION NUMBER: US 60/171,111	PRIOR APPLICATION NUMBER: US 60/171,111
PRIOR FILING DATE: 2000-01-11	PRIOR FILING DATE: 2000-01-11
PRIOR APPLICATION NUMBER: PCT/US00/000,000	PRIOR APPLICATION NUMBER: PCT/US00/000,000
PRIOR FILING DATE: 2000-02-18	PRIOR FILING DATE: 2000-02-18
PRIOR APPLICATION NUMBER: PCT/US00/000,000	PRIOR APPLICATION NUMBER: PCT/US00/000,000
PRIOR FILING DATE: 2000-03-02	PRIOR FILING DATE: 2000-03-02
PRIOR APPLICATION NUMBER: US 60/191,111	PRIOR APPLICATION NUMBER: US 60/191,111
PRIOR FILING DATE: 2000-03-21	PRIOR FILING DATE: 2000-03-21
PRIOR APPLICATION NUMBER: PCT/US00/000,000	PRIOR APPLICATION NUMBER: PCT/US00/000,000
PRIOR FILING DATE: 2000-03-21	PRIOR FILING DATE: 2000-03-21
PRIOR APPLICATION NUMBER: PCT/US00/000,000	PRIOR APPLICATION NUMBER: PCT/US00/000,000
PRIOR FILING DATE: 2000-08-24	PRIOR FILING DATE: 2000-08-24
PRIOR APPLICATION NUMBER: US 60/241,111	PRIOR APPLICATION NUMBER: US 60/241,111
PRIOR FILING DATE: 2000-10-24	PRIOR FILING DATE: 2000-10-24
PRIOR APPLICATION NUMBER: PCT/US00/000,000	PRIOR APPLICATION NUMBER: PCT/US00/000,000
PRIOR FILING DATE: 2000-11-10	PRIOR FILING DATE: 2000-11-10
PRIOR APPLICATION NUMBER: US 60/251,111	PRIOR APPLICATION NUMBER: US 60/251,111

	/	TITLE OF INVENTION:	IL-17 HOMOLOGOUS POLYPEPTIDES AND THERAPEUTIC USES THEREOF
	/	FILE REFERENCE:	P1381R1C1P1 (US)
	/	CURRENT APPLICATION NUMBER:	US/09/747,259
	/	CURRENT FILING DATE:	2000-12-20
	/	PRIOR APPLICATION NUMBER:	US 09/311,832
	/	PRIOR FILING DATE:	1999-05-14
	/	PRIOR APPLICATION NUMBER:	US 60/172,096
	/	PRIOR FILING DATE:	1999-12-23
	/	PRIOR APPLICATION NUMBER:	PCT/US99/31274
	/	PRIOR FILING DATE:	1999-12-30
	/	PRIOR APPLICATION NUMBER:	US 60/175,481
	/	PRIOR FILING DATE:	2000-01-11
	/	PRIOR APPLICATION NUMBER:	PCT/US00/04341
	/	PRIOR FILING DATE:	2000-02-18
	/	PRIOR APPLICATION NUMBER:	PCT/US00/05841
	/	PRIOR FILING DATE:	2000-03-02
	/	PRIOR APPLICATION NUMBER:	US 60/191,007
	/	PRIOR FILING DATE:	2000-03-21
	/	PRIOR APPLICATION NUMBER:	PCT/US00/07532
	/	PRIOR FILING DATE:	2000-03-21
	/	PRIOR APPLICATION NUMBER:	PCT/US00/15264
	/	PRIOR FILING DATE:	2000-06-02
	/	PRIOR APPLICATION NUMBER:	US 60/213,087
	/	PRIOR FILING DATE:	2000-06-22
	/	PRIOR APPLICATION NUMBER:	US 09/644,848
	/	PRIOR FILING DATE:	2000-08-22
	/	PRIOR APPLICATION NUMBER:	PCT/US00/23328
	/	PRIOR FILING DATE:	2000-08-24
	/	PRIOR APPLICATION NUMBER:	US 60/242,837
	/	PRIOR FILING DATE:	2000-10-24
	/	PRIOR APPLICATION NUMBER:	PCT/US00/30873
	/	PRIOR FILING DATE:	2000-11-10
	/	PRIOR APPLICATION NUMBER:	US 60/253,646

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Qy 74	CRASEDGPL	-----NSRAISPMRYELDRDLNRL	PODLYHARCLCPHCVSLOTGS	122

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GenCore version 5.1.9
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OM protein - protein search, using sw model

Run on: July 6, 2006, 08:02:41 ; Search time 185 Seconds
(without alignments)
443.184 Million cell updates/sec

Title: US-10-617-573-6

Perfect score: 985

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Searched: 2097797 seqs, 463214858 residues

Total number of hits satisfying chosen parameters: 2097797

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 100 summaries

Database : Published Applications AA Main.*

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- 2: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US08_PUBCOMB.pap.*
- 3: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US09_PUBCOMB.pap.*
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- 6: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US11_PUBCOMB.pap.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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3	985	100.0	177	3	US-09-747-259-6
4	985	100.0	177	3	US-09-908-827-6
5	985	100.0	177	4	US-10-006-867-156
6	985	100.0	177	4	US-10-063-547-156
7	985	100.0	177	4	US-10-000-157-6
8	985	100.0	177	4	US-10-063-551-156
9	985	100.0	177	4	US-10-063-616-156
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27	985	100.0	177	4	US-10-212-912-18

28	985	100.0	177	4	US-10-213-044-18	Sequence 18, Appl
29	985	100.0	177	4	US-10-063-599-156	Sequence 156, App
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31	985	100.0	177	4	US-10-213-182-18	Sequence 18, Appl
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64	985	100.0	177	4	US-10-063-724-156	Sequence 156, App
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71	985	100.0	177	4	US-10-063-744-156	Sequence 156, App
72	985	100.0	177	4	US-10-063-565-156	Sequence 156, App
73	985	100.0	177	4	US-10-063-577-156	Sequence 156, App
74	985	100.0	177	4	US-10-063-591-156	Sequence 156, App
75	985	100.0	177	4	US-10-063-610-156	Sequence 156, App
76	985	100.0	177	4	US-10-063-673-156	Sequence 156, App
77	985	100.0	177	4	US-10-063-710-156	Sequence 156, App
78	985	100.0	177	4	US-10-063-711-156	Sequence 156, App
79	985	100.0	177	4	US-10-063-712-156	Sequence 156, App
80	985	100.0	177	4	US-10-063-714-156	Sequence 156, App
81	985	100.0	177	4	US-10-063-715-156	Sequence 156, App
82	985	100.0	177	4	US-10-063-716-156	Sequence 156, App
83	985	100.0	177	4	US-10-063-717-156	Sequence 156, App
84	985	100.0	177	4	US-10-063-720-156	Sequence 156, App
85	985	100.0	177	4	US-10-063-722-156	Sequence 156, App
86	985	100.0	177	4	US-10-063-726-156	Sequence 156, App
87	985	100.0	177	4	US-10-063-728-156	Sequence 156, App
88	985	100.0	177	4	US-10-063-731-156	Sequence 156, App
89	985	100.0	177	4	US-10-063-732-156	Sequence 156, App
90	985	100.0	177	4	US-10-063-523-156	Sequence 156, App
91	985	100.0	177	4	US-10-063-527-156	Sequence 156, App
92	985	100.0	177	4	US-10-063-579-156	Sequence 156, App
93	985	100.0	177	4	US-10-063-581-156	Sequence 156, App
94	985	100.0	177	4	US-10-063-583-156	Sequence 156, App
95	985	100.0	177	4	US-10-063-589-156	Sequence 156, App
96	985	100.0	177	4	US-10-063-593-156	Sequence 156, App
97	985	100.0	177	4	US-10-063-596-156	Sequence 156, App
98	985	100.0	177	4	US-10-063-600-156	Sequence 156, App
99	985	100.0	177	4	US-10-063-604-156	Sequence 156, App
100	985	100.0	177	4	US-10-063-607-156	Sequence 156, App

FILE REFERENCE: P1381R1C1P2 (US)
CURRENT APPLICATION NUMBER: US/09/816,744
CURRENT FILING DATE: 2001-03-22
Prior application data removed - consult PALM or file wrapper
NUMBER OF SEQ ID NOS: 39

SEQ ID NO 6
LENGTH: 177
TYPE: PRT
ORGANISM: Homo Sapien
US-09-816-744-6

Query Match 100.0%; Score 985; DB 3; Length 177;
Best Local Similarity 100.0%; Pred. No. 4.5e-86;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRERPRLGEDSLISLFQVAVFLAMVNGTHYSHWPCSCPSKGQDTSEELLRWSTVVPV 60
Db 1 MRERPRLGEDSLISLFQVAVFLAMVNGTHYSHWPCSCPSKGQDTSEELLRWSTVVPV 60
Qy 61 PLEPARPNRHPESCRAEDGPNLSRAISPWRYELDRDLNRLPQDLYHARCLCPHCVSLOT 120
Db 61 PLEPARPNRHPESCRAEDGPNLSRAISPWRYELDRDLNRLPQDLYHARCLCPHCVSLOT 120
Qy 121 GSHMDPRGNSELVYHNTQVFFRRPCHGKGTGKGYCLERRLYRVSLACVCRPRVMG 177
Db 121 GSHMDPRGNSELVYHNTQVFFRRPCHGKGTGKGYCLERRLYRVSLACVCRPRVMG 177

RESULT 3

US-09-747-259-6
Sequence 6, Application US/09747259
Publication No. US2003008815A1
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Chen, Jian
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul
APPLICANT: Grimaldi, Christopher
APPLICANT: Gurney, Austin
APPLICANT: Li, Hanzhong
APPLICANT: Hillan, Kenneth
APPLICANT: Tumas, Daniel
APPLICANT: VanLookeren, Menno
APPLICANT: Vandlen, Richard
APPLICANT: Watanabe, Colin
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William
APPLICANT: Yansura, Daniel
TITLE OF INVENTION: IL-17 HOMOLOGOUS POLYPEPTIDES AND THERAPEUTIC USES THEREOF
FILE REFERENCE: P1381R1C1P1 (US)
CURRENT APPLICATION NUMBER: US/09/747,259
CURRENT FILING DATE: 2000-12-20
PRIOR APPLICATION NUMBER: US/09/311,832
PRIOR FILING DATE: 1999-05-14
PRIOR APPLICATION NUMBER: US 60/172,096
PRIOR FILING DATE: 1999-12-23
PRIOR APPLICATION NUMBER: PCT/US99/31274
PRIOR FILING DATE: 1999-12-30
PRIOR APPLICATION NUMBER: US 60/175,481
PRIOR FILING DATE: 2000-01-11
PRIOR APPLICATION NUMBER: PCT/US00/04341
PRIOR FILING DATE: 2000-02-18
PRIOR APPLICATION NUMBER: PCT/US00/05841
PRIOR FILING DATE: 2000-03-02
PRIOR APPLICATION NUMBER: US 60/191,007
PRIOR FILING DATE: 2000-03-21
PRIOR APPLICATION NUMBER: PCT/US00/07532
PRIOR FILING DATE: 2000-03-21
PRIOR APPLICATION NUMBER: PCT/US00/15264
PRIOR FILING DATE: 2000-06-02
PRIOR APPLICATION NUMBER: US 60/213,087

PRIOR FILING DATE: 2000-06-22
PRIOR APPLICATION NUMBER: US 09/644,848
PRIOR FILING DATE: 2000-08-22
PRIOR APPLICATION NUMBER: PCT/US00/23328
PRIOR FILING DATE: 2000-08-24
PRIOR APPLICATION NUMBER: US 60/242,837
PRIOR FILING DATE: 2000-10-24
PRIOR APPLICATION NUMBER: PCT/US00/30873
PRIOR FILING DATE: 2000-11-10
PRIOR APPLICATION NUMBER: US 60/253,646
PRIOR FILING DATE: 2000-11-28
PRIOR APPLICATION NUMBER: PCT/US00/32678
PRIOR FILING DATE: 2000-12-01
NUMBER OF SEQ ID NOS: 39
SEQ ID NO 6
LENGTH: 177
TYPE: PRT
ORGANISM: Homo Sapien
US-09-747-259-6

Query Match 100.0%; Score 985; DB 3; Length 177;
Best Local Similarity 100.0%; Pred. No. 4.5e-86;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRERPRLGEDSLISLFQVAVFLAMVNGTHYSHWPCSCPSKGQDTSEELLRWSTVVPV 60
Db 1 MRERPRLGEDSLISLFQVAVFLAMVNGTHYSHWPCSCPSKGQDTSEELLRWSTVVPV 60
Qy 61 PLEPARPNRHPESCRAEDGPNLSRAISPWRYELDRDLNRLPQDLYHARCLCPHCVSLOT 120
Db 61 PLEPARPNRHPESCRAEDGPNLSRAISPWRYELDRDLNRLPQDLYHARCLCPHCVSLOT 120
Qy 121 GSHMDPRGNSELVYHNTQVFFRRPCHGKGTGKGYCLERRLYRVSLACVCRPRVMG 177
Db 121 GSHMDPRGNSELVYHNTQVFFRRPCHGKGTGKGYCLERRLYRVSLACVCRPRVMG 177

RESULT 4

US-09-908-827-6
Sequence 6, Application US/09908827
Publication No. US2003005442A1
GENERAL INFORMATION:
APPLICANT: Chen, Jian
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul
APPLICANT: Grimaldi, Christopher
APPLICANT: Gurney, Austin
APPLICANT: Li, Hanzhong
APPLICANT: Hillan, Kenneth
APPLICANT: Tumas, Daniel
APPLICANT: VanLookeren, Menno
APPLICANT: Vandlen, Richard
APPLICANT: Watanabe, Colin
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William
APPLICANT: Yansura, Daniel
TITLE OF INVENTION: IL-17 HOMOLOGOUS POLYPEPTIDES AND THERAPEUTIC USES THEREOF
FILE REFERENCE: P1381R1C1P1 (US)
CURRENT APPLICATION NUMBER: US/09/908,827
CURRENT FILING DATE: 2001-07-18
PRIOR APPLICATION NUMBER: 60/085,579
PRIOR FILING DATE: 1998-05-15
PRIOR APPLICATION NUMBER: 60/113,621
PRIOR FILING DATE: 1998-12-23
PRIOR APPLICATION NUMBER: 60/130,232
PRIOR FILING DATE: 1999-04-21
PRIOR APPLICATION NUMBER: 60/131,022
PRIOR FILING DATE: 1999-04-26
PRIOR APPLICATION NUMBER: 60/134,287
PRIOR FILING DATE: 1999-05-14
PRIOR APPLICATION NUMBER: 60/138,387

;
; PRIOR FILING DATE: 1999-06-09
; PRIOR APPLICATION NUMBER: 60/172,096
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: 60/175,481
; PRIOR FILING DATE: 2000-01-11
; PRIOR APPLICATION NUMBER: 60/191,007
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/213,807
; PRIOR FILING DATE: 2000-06-22
; PRIOR APPLICATION NUMBER: 60/242,837
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: 60/244,072
; PRIOR FILING DATE: 2000-10-26
; PRIOR APPLICATION NUMBER: 09/311,832
; PRIOR FILING DATE: 1999-05-14
; PRIOR APPLICATION NUMBER: 09/380,138
; PRIOR FILING DATE: 1999-08-25
; PRIOR APPLICATION NUMBER: 09/380,142
; PRIOR FILING DATE: 1999-08-25
; PRIOR APPLICATION NUMBER: 09/644,848
; PRIOR FILING DATE: 2000-08-22
; PRIOR APPLICATION NUMBER: 09/747,259
; PRIOR FILING DATE: 2000-12-20
; PRIOR APPLICATION NUMBER: 09/816,744
; PRIOR FILING DATE: 2001-03-22
; PRIOR APPLICATION NUMBER: 09/854,208
; PRIOR FILING DATE: 2001-05-10
; PRIOR APPLICATION NUMBER: 09/854,280
; PRIOR FILING DATE: 2001-05-10
; PRIOR APPLICATION NUMBER: PCT/US99/05028
; PRIOR FILING DATE: 1999-03-08
; PRIOR APPLICATION NUMBER: PCT/US99/10733
; PRIOR FILING DATE: 1999-05-14
; PRIOR APPLICATION NUMBER: PCT/US99/31274
; PRIOR FILING DATE: 1999-12-30
; PRIOR APPLICATION NUMBER: PCT/US00/04341
; PRIOR FILING DATE: 2000-02-18
; PRIOR APPLICATION NUMBER: PCT/US00/05601
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: PCT/US00/05841
; PRIOR FILING DATE: 2000-03-02
; PRIOR APPLICATION NUMBER: PCT/US00/07532
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: PCT/US00/15264
; PRIOR FILING DATE: 2000-06-02
; PRIOR APPLICATION NUMBER: PCT/US00/23328
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: PCT/US00/30873
; PRIOR FILING DATE: 2000-11-10
; PRIOR APPLICATION NUMBER: PCT/US00/32678
; PRIOR FILING DATE: 2000-12-01
; PRIOR APPLICATION NUMBER: PCT/US00/34956
; PRIOR FILING DATE: 2000-12-20
; PRIOR APPLICATION NUMBER: PCT/US01/06520
; PRIOR FILING DATE: 2001-02-28
; NUMBER OF SEQ ID NOS: 39
; SEQ ID NO 6
; LENGTH: 177
; TYPE: PRT
; ORGANISM: Homo Sapien
US-09-908-827-6

Query Match 100.0%; Score 985; DB 3; Length 177;
Best Local Similarity 100.0%; Pred. No. 4.5e-86;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRERPRIGDSLSLFLQVAVFLAMVWGTHYSHWSPCCPSKQDTSSELLRWSTVPVP 60
Db 1 MRERPRIGDSLSLFLQVAVFLAMVWGTHYSHWSPCCPSKQDTSSELLRWSTVPVP 60

Qy 61 PLEPARNRPHPESCRAEDGDLNRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLQT 120
Db 61 PLEPARNRPHPESCRAEDGDLNRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLQT 120

Qy 121 GSHMDPRGNSELLYHNQTVFYRRPCHGEKTHKGYCLERRLYRVSLACVCRPRVMG 177
Db 121 GSHMDPRGNSELLYHNQTVFYRRPCHGEKTHKGYCLERRLYRVSLACVCRPRVMG 177

RESULT 5
US-10-006-867-156
; Sequence 156, Application US/10006867
; Publication No. US20020119130A1
; GENERAL INFORMATION:
; APPLICANT: Eaton, Dan L.
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3230R1C1
; CURRENT APPLICATION NUMBER: US/10/006,867
; CURRENT FILING DATE: 2001-12-06
; PRIOR APPLICATION NUMBER: 60/063435
; PRIOR FILING DATE: 1997-10-29
; PRIOR APPLICATION NUMBER: 60/064215
; PRIOR FILING DATE: 1997-10-29
; PRIOR APPLICATION NUMBER: 60/082797
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/083495
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/085579
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/087759
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/088021
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088029
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088030
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088734
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088740
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088811
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088824
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088825
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088863
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/089105
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: 60/089514
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089653
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089952
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/090246
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090444
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090688
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090696
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090862
; PRIOR FILING DATE: 1998-06-26

Db 61 PLEPARNRHPESCRASEDGPLNSRAISPRWYELDRDLNRLPDQLYHARCLCPHCVSLOT 120

Qy 121 GSHMDPRGNSSELLYHNQTVFYRRPCHGKGTGKGYCLERRLYRVSLACVCVRPRVMG 177
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Db 121 GSHMDPRGNSSELLYHNQTVFYRRPCHGKGTGKGYCLERRLYRVSLACVCVRPRVMG 177
|||||

RESULT 6

US-10-063-547-156

; Sequence 156, Application US/10063547

; Publication No. US20020182638A1

; GENERAL INFORMATION:

; APPLICANT: Eaton, Dan L.

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, Christopher J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Watanabe, Colin K.

; APPLICANT: Wood, William I.

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P3230R1C1

; CURRENT APPLICATION NUMBER: US/10/063,547

; CURRENT FILING DATE: 2002-05-02

; Prior Application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 170

; SEQ ID NO 156

; LENGTH: 177

; TYPE: PRT

; ORGANISM: Homo Sapien

US-10-063-547-156

Query Match 100.0%; Score 985; DB 4; Length 177;

Best Local Similarity 100.0%; Pred. No. 4.5e-86;

Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRERPRIGEDSSLISLFQVAVFLAMVMTGHTYSHWPSCCPSKQDTSBELLRWSTVPVP 60
|||||

Db 1 MRERPRIGEDSSLISLFQVAVFLAMVMTGHTYSHWPSCCPSKQDTSBELLRWSTVPVP 60
|||||

Qy 61 PLEPARNRHPESCRASEDGPLNSRAISPRWYELDRDLNRLPDQLYHARCLCPHCVSLOT 120
|||||

Db 61 PLEPARNRHPESCRASEDGPLNSRAISPRWYELDRDLNRLPDQLYHARCLCPHCVSLOT 120
|||||

Qy 121 GSHMDPRGNSSELLYHNQTVFYRRPCHGKGTGKGYCLERRLYRVSLACVCVRPRVMG 177
|||||

Db 121 GSHMDPRGNSSELLYHNQTVFYRRPCHGKGTGKGYCLERRLYRVSLACVCVRPRVMG 177
|||||

RESULT 7

US-10-000-157-6

; Sequence 6, Application US/10000157

; Publication No. US20020182673A1

; GENERAL INFORMATION:

; APPLICANT: Chen, Jian

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Fong, Sherman

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, J Christopher

; APPLICANT: Gurney, Austin

; APPLICANT: Li, Hanzhong

; APPLICANT: Hillan, Kenneth J.

; APPLICANT: Hymowitz, Sarah

; APPLICANT: Tumas, Daniel

; APPLICANT: Starovasnik, Melissa.

; APPLICANT: VanLookeren, Menno

; APPLICANT: Vandlen, Richard

; APPLICANT: Watanabe, Colin

; APPLICANT: Williams, P.Mickey

; APPLICANT: Wood, William

; APPLICANT: Yansura, Daniel

; TITLE OF INVENTION: IL-17 HOMOLOGOUS POLYPEPTIDES AND THERAPEUTIC USES THEREOF

; FILE REFERENCE: P1381C1P4 (US)

; CURRENT APPLICATION NUMBER: US/10/000,157

; CURRENT FILING DATE: 2001-10-30

; PRIOR APPLICATION NUMBER: 60/085579

; PRIOR FILING DATE: 1998-05-15

; PRIOR APPLICATION NUMBER: 60/113621

; PRIOR FILING DATE: 1998-12-23

; PRIOR APPLICATION NUMBER: 60/130232

; PRIOR FILING DATE: 1999-04-21

; PRIOR APPLICATION NUMBER: 60/131022

; PRIOR FILING DATE: 1999-04-26

; PRIOR APPLICATION NUMBER: 60/134287

; PRIOR FILING DATE: 1999-05-14

; PRIOR APPLICATION NUMBER: 60/138387

; PRIOR FILING DATE: 1999-06-09

; PRIOR APPLICATION NUMBER: 60/172096

; PRIOR FILING DATE: 1999-12-23

; PRIOR APPLICATION NUMBER: 60/175481

; PRIOR FILING DATE: 2000-01-11

; PRIOR APPLICATION NUMBER: 60/191007

; PRIOR FILING DATE: 2000-03-21

; PRIOR APPLICATION NUMBER: 60/213807

; PRIOR FILING DATE: 2000-06-22

; PRIOR APPLICATION NUMBER: 60/242837

; PRIOR FILING DATE: 2000-10-24

; PRIOR APPLICATION NUMBER: 60/244072

; PRIOR FILING DATE: 2000-10-26

; PRIOR APPLICATION NUMBER: 60/253646

; PRIOR FILING DATE: 2000-11-28

; PRIOR APPLICATION NUMBER: 09/311832

; PRIOR FILING DATE: 1999-05-14

; PRIOR APPLICATION NUMBER: 09/380138

; PRIOR FILING DATE: 1999-08-25

; PRIOR APPLICATION NUMBER: 09/380142

; PRIOR FILING DATE: 1999-08-25

; PRIOR APPLICATION NUMBER: 09/644848

; PRIOR FILING DATE: 2000-08-22

; PRIOR APPLICATION NUMBER: 09/747259

; PRIOR FILING DATE: 2000-12-20

; PRIOR APPLICATION NUMBER: 09/816744

; PRIOR FILING DATE: 2001-03-22

; PRIOR APPLICATION NUMBER: 09/854208

; PRIOR FILING DATE: 2001-05-10

; PRIOR APPLICATION NUMBER: 09/854280

; PRIOR FILING DATE: 2001-05-10

; PRIOR APPLICATION NUMBER: 09/874503

; PRIOR FILING DATE: 2001-06-05

; PRIOR APPLICATION NUMBER: 09/908827

; PRIOR FILING DATE: 2001-07-18

; PRIOR APPLICATION NUMBER: 09/918585

; PRIOR FILING DATE: 2001-07-30

; PRIOR APPLICATION NUMBER: 09/929404

; PRIOR FILING DATE: 2001-08-13

; PRIOR APPLICATION NUMBER: 09/931836

; PRIOR FILING DATE: 2001-08-16

; PRIOR APPLICATION NUMBER: PCT/US99/05028

; PRIOR FILING DATE: 1999-03-08

; PRIOR APPLICATION NUMBER: PCT/US99/10733

; PRIOR FILING DATE: 1999-05-14

; PRIOR APPLICATION NUMBER: PCT/US99/31274

; PRIOR FILING DATE: 1999-12-30

; PRIOR APPLICATION NUMBER: PCT/US00/04341

; PRIOR FILING DATE: 2000-02-18

; PRIOR APPLICATION NUMBER: PCT/US00/05601

; PRIOR FILING DATE: 2001-03-01

; PRIOR APPLICATION NUMBER: PCT/US00/05841

; PRIOR FILING DATE: 2000-03-02

; PRIOR APPLICATION NUMBER: PCT/US00/07532

; PRIOR FILING DATE: 2000-03-21

; PRIOR APPLICATION NUMBER: PCT/US00/15264

; PRIOR FILING DATE: 2000-06-02


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; PRIOR APPLICATION NUMBER: PCT/US00/23328
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: PCT/US00/30873
; PRIOR FILING DATE: 2000-11-10
; PRIOR APPLICATION NUMBER: PCT/US00/32678
; PRIOR FILING DATE: 2000-12-01
; PRIOR APPLICATION NUMBER: PCT/US00/34956
; PRIOR FILING DATE: 2000-12-20
; PRIOR APPLICATION NUMBER: PCT/US01/06520
; PRIOR FILING DATE: 2001-02-28
; PRIOR APPLICATION NUMBER: PCT/US01/17800
; PRIOR FILING DATE: 2001-06-01
; PRIOR APPLICATION NUMBER: PCT/US01/19692
; PRIOR FILING DATE: 2001-06-20
; PRIOR APPLICATION NUMBER: PCT/US01/21066
; PRIOR FILING DATE: 2001-06-29
; PRIOR APPLICATION NUMBER: PCT/US01/21735
; PRIOR FILING DATE: 2001-07-09
; NUMBER OF SEQ ID NOS: 39
; SEQ ID NO 6
; LENGTH: 177
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-000-157-6

Query Match      100.0%; Score 985; DB 4; Length 177;
Best Local Similarity 100.0%; Pred. No. 4.5e-86;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRERPRIGEDSSLSLFLQVVAFLAMVGMTHYSHWPCSCPSKGQDTSEELLRWSTVPVP 60
Db 1 MRERPRIGEDSSLSLFLQVVAFLAMVGMTHYSHWPCSCPSKGQDTSEELLRWSTVPVP 60

Qy 61 PLEPARNRHPESCRASEDGFLNSRAISPWRYELDRDLNRLPDQLYHARCLCPHCVSLOT 120
Db 61 PLEPARNRHPESCRASEDGFLNSRAISPWRYELDRDLNRLPDQLYHARCLCPHCVSLOT 120

Qy 121 GSHMDPRGNSELLVHNQTVFYRRPCHGKGTGKGYCLERRLYRVSLACVCVRPRVMG 177
Db 121 GSHMDPRGNSELLVHNQTVFYRRPCHGKGTGKGYCLERRLYRVSLACVCVRPRVMG 177

RESULT 9
US-10-063-616-156
; Sequence 156, Application US/10063616
; Publication No. US20030013855A1
; GENERAL INFORMATION:
; APPLICANT: Eaton, Dan L.
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3230R1C1
; CURRENT APPLICATION NUMBER: US/10/063.616
; CURRENT FILING DATE: 2002-05-03
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 170
; SEQ ID NO 156
; LENGTH: 177
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-063-616-156

Query Match      100.0%; Score 985; DB 4; Length 177;
Best Local Similarity 100.0%; Pred. No. 4.5e-86;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRERPRIGEDSSLSLFLQVVAFLAMVGMTHYSHWPCSCPSKGQDTSEELLRWSTVPVP 60
Db 1 MRERPRIGEDSSLSLFLQVVAFLAMVGMTHYSHWPCSCPSKGQDTSEELLRWSTVPVP 60

Qy 61 PLEPARNRHPESCRASEDGFLNSRAISPWRYELDRDLNRLPDQLYHARCLCPHCVSLOT 120
Db 61 PLEPARNRHPESCRASEDGFLNSRAISPWRYELDRDLNRLPDQLYHARCLCPHCVSLOT 120

Qy 121 GSHMDPRGNSELLVHNQTVFYRRPCHGKGTGKGYCLERRLYRVSLACVCVRPRVMG 177
Db 121 GSHMDPRGNSELLVHNQTVFYRRPCHGKGTGKGYCLERRLYRVSLACVCVRPRVMG 177

RESULT 10
US-10-063-569-156
; Sequence 156, Application US/10063569
; Publication No. US20030018168A1
; GENERAL INFORMATION:
; APPLICANT: Eaton, Dan L.
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3230R1C1
; CURRENT APPLICATION NUMBER: US/10/063.551
; CURRENT FILING DATE: 2002-05-02
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 170
; SEQ ID NO 156
; LENGTH: 177
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-063-551-156

Query Match      100.0%; Score 985; DB 4; Length 177;
Best Local Similarity 100.0%; Pred. No. 4.5e-86;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRERPRIGEDSSLSLFLQVVAFLAMVGMTHYSHWPCSCPSKGQDTSEELLRWSTVPVP 60
Db 1 MRERPRIGEDSSLSLFLQVVAFLAMVGMTHYSHWPCSCPSKGQDTSEELLRWSTVPVP 60

Qy 61 PLEPARNRHPESCRASEDGFLNSRAISPWRYELDRDLNRLPDQLYHARCLCPHCVSLOT 120
Db 61 PLEPARNRHPESCRASEDGFLNSRAISPWRYELDRDLNRLPDQLYHARCLCPHCVSLOT 120

Qy 121 GSHMDPRGNSELLVHNQTVFYRRPCHGKGTGKGYCLERRLYRVSLACVCVRPRVMG 177
Db 121 GSHMDPRGNSELLVHNQTVFYRRPCHGKGTGKGYCLERRLYRVSLACVCVRPRVMG 177

RESULT 8
US-10-063-551-156
; Sequence 156, Application US/10063551
; Publication No. US20020183494A1
; GENERAL INFORMATION:
; APPLICANT: Eaton, Dan L.
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3230R1C1
; CURRENT APPLICATION NUMBER: US/10/063.551
; CURRENT FILING DATE: 2002-05-02
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 170
; SEQ ID NO 156
; LENGTH: 177
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-063-551-156
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; FILE REFERENCE: P3230R1C1
; CURRENT APPLICATION NUMBER: US/10/063.569
; CURRENT FILING DATE: 2002-05-02
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 170
; SEQ ID NO 156
; LENGTH: 177
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-063-569-156

Query Match      100.0%; Score 985; DB 4; Length 177;
Best Local Similarity 100.0%; Pred. No. 4.5e-86;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRERPLRGESLSLSLFLQVVAFLAMVGMGTHYSHWPCSCPSKGQDTSEELLRWSTVPVP 60
Db 1 MRERPLRGESLSLSLFLQVVAFLAMVGMGTHYSHWPCSCPSKGQDTSEELLRWSTVPVP 60
Qy 61 PLEPARNRHPESCRASEDGPLNSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLOT 120
Db 61 PLEPARNRHPESCRASEDGPLNSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLOT 120
Qy 121 GSHMDPRGNSSELLYHNQTVFYRRPCHGKGTGKGYCLERRLYRVSLACVCRPRVMG 177
Db 121 GSHMDPRGNSSELLYHNQTVFYRRPCHGKGTGKGYCLERRLYRVSLACVCRPRVMG 177

RESULT 11
US-10-063-513-156
; Sequence 156, Application US/10063513
; Publication No. US20030018172A1
; GENERAL INFORMATION:
; APPLICANT: Eaton, Dan L.
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3230R1C1
; CURRENT APPLICATION NUMBER: US/10/063.513
; CURRENT FILING DATE: 2002-05-01
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 170
; SEQ ID NO 156
; LENGTH: 177
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-063-513-156

Query Match      100.0%; Score 985; DB 4; Length 177;
Best Local Similarity 100.0%; Pred. No. 4.5e-86;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRERPLRGESLSLSLFLQVVAFLAMVGMGTHYSHWPCSCPSKGQDTSEELLRWSTVPVP 60
Db 1 MRERPLRGESLSLSLFLQVVAFLAMVGMGTHYSHWPCSCPSKGQDTSEELLRWSTVPVP 60
Qy 61 PLEPARNRHPESCRASEDGPLNSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLOT 120
Db 61 PLEPARNRHPESCRASEDGPLNSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLOT 120
Qy 121 GSHMDPRGNSSELLYHNQTVFYRRPCHGKGTGKGYCLERRLYRVSLACVCRPRVMG 177
Db 121 GSHMDPRGNSSELLYHNQTVFYRRPCHGKGTGKGYCLERRLYRVSLACVCRPRVMG 177

RESULT 12
US-10-063-513-156
; Sequence 156, Application US/10063513
; Publication No. US20030018172A1
; GENERAL INFORMATION:
; APPLICANT: Eaton, Dan L.
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3230R1C1
; CURRENT APPLICATION NUMBER: US/10/063.513
; CURRENT FILING DATE: 2002-05-01
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 170
; SEQ ID NO 156
; LENGTH: 177
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-063-513-156

Query Match      100.0%; Score 985; DB 4; Length 177;
Best Local Similarity 100.0%; Pred. No. 4.5e-86;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRERPLRGESLSLSLFLQVVAFLAMVGMGTHYSHWPCSCPSKGQDTSEELLRWSTVPVP 60
Db 1 MRERPLRGESLSLSLFLQVVAFLAMVGMGTHYSHWPCSCPSKGQDTSEELLRWSTVPVP 60
Qy 61 PLEPARNRHPESCRASEDGPLNSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLOT 120
Db 61 PLEPARNRHPESCRASEDGPLNSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLOT 120
Qy 121 GSHMDPRGNSSELLYHNQTVFYRRPCHGKGTGKGYCLERRLYRVSLACVCRPRVMG 177
Db 121 GSHMDPRGNSSELLYHNQTVFYRRPCHGKGTGKGYCLERRLYRVSLACVCRPRVMG 177
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US-10-063-515-156
; Sequence 156, Application US/10063515
; Publication No. US20030018173A1
; GENERAL INFORMATION:
; APPLICANT: Eaton, Dan L.
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3230R1C1
; CURRENT APPLICATION NUMBER: US/10/063.515
; CURRENT FILING DATE: 2002-05-01
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 170
; SEQ ID NO 156
; LENGTH: 177
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-063-515-156

Query Match      100.0%; Score 985; DB 4; Length 177;
Best Local Similarity 100.0%; Pred. No. 4.5e-86;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRERPLRGESLSLSLFLQVVAFLAMVGMGTHYSHWPCSCPSKGQDTSEELLRWSTVPVP 60
Db 1 MRERPLRGESLSLSLFLQVVAFLAMVGMGTHYSHWPCSCPSKGQDTSEELLRWSTVPVP 60
Qy 61 PLEPARNRHPESCRASEDGPLNSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLOT 120
Db 61 PLEPARNRHPESCRASEDGPLNSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLOT 120
Qy 121 GSHMDPRGNSSELLYHNQTVFYRRPCHGKGTGKGYCLERRLYRVSLACVCRPRVMG 177
Db 121 GSHMDPRGNSSELLYHNQTVFYRRPCHGKGTGKGYCLERRLYRVSLACVCRPRVMG 177

RESULT 13
US-10-063-512-156
; Sequence 156, Application US/10063512
; Publication No. US20030018183A1
; GENERAL INFORMATION:
; APPLICANT: Eaton, Dan L.
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3230R1C1
; CURRENT APPLICATION NUMBER: US/10/063.512
; CURRENT FILING DATE: 2002-05-01
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 170
; SEQ ID NO 156
; LENGTH: 177
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-063-512-156

Query Match      100.0%; Score 985; DB 4; Length 177;
Best Local Similarity 100.0%; Pred. No. 4.5e-86;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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GenCore version 5.1.9
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: July 6, 2006, 08:03:36 ; Search time 20 Seconds
(without alignments)
237.464 Million cell updates/sec

Title: US-10-617-573-6

Perfect score: 985

Sequence: 1 MRERPRIGEDSSLISLFQV.....ERRLYRVSLACVCVRPRVMG 177

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 112942 seqs, 26832045 residues

Total number of hits satisfying chosen parameters: 112942

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 100 summaries

Database : Published Applications AA New:*

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- 2: /EMC_Celerra_SIDS3/ptodata/2/pubppaa/US06_NEW_PUB.pep:*
- 3: /EMC_Celerra_SIDS3/ptodata/2/pubppaa/US07_NEW_PUB.pep:*
- 4: /EMC_Celerra_SIDS3/ptodata/2/pubppaa/US08_NEW_PUB.pep:*
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- 7: /EMC_Celerra_SIDS3/ptodata/2/pubppaa/US11_NEW_PUB.pep:*
- 8: /EMC_Celerra_SIDS3/ptodata/2/pubppaa/US60_NEW_PUB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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4	985	100.0	177	7	US-11-311-554-6
5	170.5	17.3	202	7	US-11-253-200-19
6	165.5	16.8	197	6	US-10-511-937-2611
7	165.5	16.8	197	6	US-10-196-749-448
8	165.5	16.8	197	7	US-11-311-555-4
9	165.5	16.8	197	7	US-11-311-561-4
10	165.5	16.8	197	7	US-11-311-554-4
11	165.5	16.8	197	7	US-11-253-200-17
12	125.5	12.7	180	7	US-11-311-555-2
13	125.5	12.7	180	7	US-11-311-561-2
14	125.5	12.7	180	7	US-11-311-554-2
15	125.5	12.7	202	7	US-11-311-555-8
16	125.5	12.7	202	7	US-11-311-561-8
17	125.5	12.7	202	7	US-11-311-554-8
18	122	12.4	163	7	US-11-311-555-10
19	122	12.4	163	7	US-11-311-561-10
20	122	12.4	163	7	US-11-101-316-160
21	122	12.4	163	7	US-11-311-554-10
22	105.5	10.7	155	6	US-10-511-937-2498
23	78.5	8.0	150	6	US-10-953-349-17274
24	78.5	8.0	160	6	US-10-953-349-17273
25	78	7.9	229	6	US-10-953-349-30195
26	76.5	7.8	478	6	US-10-953-349-22099
27	75.5	7.7	264	6	US-10-953-349-29535
28	75.5	7.7	416	6	US-10-953-349-4173
29	75.5	7.7	446	6	US-10-953-349-4172
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31	75	7.6	329	6	US-10-449-902-56143
32	74.5	7.6	1373	7	US-11-105-233-187
33	74	7.5	257	6	US-10-449-902-36378
34	74	7.5	909	6	US-10-449-902-44686
35	73.5	7.5	159	6	US-10-953-349-27235
36	73.5	7.5	164	6	US-10-953-349-27234
37	73.5	7.5	212	6	US-10-953-349-27233
38	73	7.4	486	7	US-11-293-697-4620
39	72	7.3	1212	6	US-10-449-902-41189
40	71.5	7.3	274	6	US-10-449-902-40249
41	71	7.2	565	6	US-10-449-902-39614
42	70.5	7.2	241	6	US-10-953-349-19412
43	70.5	7.2	263	6	US-10-505-928-610
44	70.5	7.2	445	6	US-10-953-349-19411
45	70.5	7.2	457	6	US-10-953-349-19410
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47	70	7.1	185	7	US-11-293-697-4579
48	70	7.1	506	6	US-10-953-349-6523
49	69.5	7.1	329	6	US-10-449-902-56194
50	69.5	7.1	392	7	US-11-293-697-3941
51	69.5	7.1	427	6	US-10-449-902-33874
52	69	7.0	318	6	US-10-449-902-37522
53	69	7.0	340	6	US-10-953-349-36042
54	69	7.0	343	6	US-10-953-349-36041
55	69	7.0	400	6	US-10-953-349-36040
56	68.5	7.0	166	6	US-10-953-349-8616
57	68.5	7.0	432	6	US-10-449-902-31206
58	68	6.9	160	6	US-10-953-349-13889
59	68	6.9	165	6	US-10-953-349-30566
60	68	6.9	174	6	US-10-953-349-40190
61	68	6.9	184	6	US-10-953-349-30565
62	67.5	6.9	117	6	US-10-449-902-33742
63	67.5	6.9	193	6	US-10-953-349-39913
64	67.5	6.9	170	6	US-10-953-349-39914
65	67.5	6.9	223	6	US-10-953-349-34318
66	67.5	6.9	264	6	US-10-953-349-7411
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68	67.5	6.9	348	6	US-10-449-902-31997
69	67	6.8	308	6	US-10-953-349-33729
70	67	6.8	1023	7	US-11-293-697-3123
71	66.5	6.8	125	6	US-10-953-349-40191
72	66.5	6.8	167	6	US-10-449-902-36245
73	66.5	6.8	378	6	US-10-449-902-48084
74	66.5	6.8	718	6	US-10-953-349-37850
75	66.5	6.8	738	6	US-10-953-349-37849
76	66.5	6.8	800	6	US-10-953-349-37848
77	66.5	6.8	855	7	US-11-247-437-2
78	66.5	6.8	2003	7	US-11-284-243-8
79	66	6.7	154	6	US-10-449-902-42410
80	65.5	6.6	181	6	US-10-953-349-39019
81	65.5	6.6	214	6	US-10-471-571A-2630
82	65.5	6.6	226	6	US-10-953-349-27437
83	65.5	6.6	1023	7	US-11-283-329-184
84	65	6.6	175	6	US-10-953-349-29275
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86	65	6.6	378	6	US-10-449-902-36106
87	65	6.6	495	6	US-10-449-902-54437
88	65	6.6	518	6	US-10-449-902-38345
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92	64.5	6.5	152	6	US-10-449-902-37884
93	64.5	6.5	167	6	US-10-953-349-14147
94	64.5	6.5	167	6	US-10-953-349-20908
95	64.5	6.5	169	6	US-10-953-349-38494
96	64.5	6.5	229	6	US-10-449-902-30384
97	64.5	6.5	267	6	US-10-953-349-14146
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Sequence 4172, Ap
Sequence 4171, Ap
Sequence 56143, A
Sequence 187, App
Sequence 36378, A
Sequence 44686, A
Sequence 27235, A
Sequence 27234, A
Sequence 27233, A
Sequence 4620, Ap
Sequence 41189, A
Sequence 40249, A
Sequence 39614, A
Sequence 19412, A
Sequence 610, App
Sequence 19411, A
Sequence 2507, Ap
Sequence 4579, Ap
Sequence 6523, Ap
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Sequence 3941, Ap
Sequence 33874, A
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Sequence 7410, Ap
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Sequence 29275, A
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Sequence 38345, A
Sequence 53584, A
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Sequence 20908, A
Sequence 38494, A
Sequence 30384, A
Sequence 14146, A
Sequence 20907, A

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ALIGNMENTS

RESULT 1
US-11-311-555-6

; Sequence 6, Application US/11311555
; Publication No. US20060088916A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Chen, Jian
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul
; APPLICANT: Grimaldi, Christopher
; APPLICANT: Gurney, Austin
; APPLICANT: Li, Hanzhong
; APPLICANT: Hillan, Kenneth
; APPLICANT: Tumas, Daniel
; APPLICANT: VanLookeren, Menno
; APPLICANT: Vandlen, Richard
; APPLICANT: Watanabe, Colin
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William
; APPLICANT: Yansura, Daniel
; TITLE OF INVENTION: IL-17 HOMOLOGOUS POLYPEPTIDES AND THERAPEUTIC USES THEREOF
; FILE REFERENCE: P1381R1C1P1 (US)
; CURRENT APPLICATION NUMBER: US/11/311,555
; CURRENT FILING DATE: 2005-12-20
; PRIOR APPLICATION NUMBER: US/09/747,259
; PRIOR FILING DATE: 2000-12-20
; PRIOR APPLICATION NUMBER: US 09/311,832
; PRIOR FILING DATE: 1999-05-14
; PRIOR APPLICATION NUMBER: US 60/172,096
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: PCT/US99/31274
; PRIOR FILING DATE: 1999-12-30
; PRIOR APPLICATION NUMBER: PCT/US00/04341
; PRIOR FILING DATE: 2000-01-11
; PRIOR APPLICATION NUMBER: US 60/175,481
; PRIOR FILING DATE: 2000-02-18
; PRIOR APPLICATION NUMBER: PCT/US00/05841
; PRIOR FILING DATE: 2000-03-02
; PRIOR APPLICATION NUMBER: US 60/191,007
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: PCT/US00/07532
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: PCT/US00/15264
; PRIOR FILING DATE: 2000-06-02
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 39
; SEQ ID NO 6
; LENGTH: 177
; TYPE: PRT
; ORGANISM: Homo Sapien
US-11-311-555-6

Query Match 100.0%; Score 985; DB 7; Length 177;
Best Local Similarity 100.0%; Pred. No. 3.7e-88;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRERPRIGEDSSLSFLQVVAFLAMVGMGTHYSHWPSCCPKSGQDTSSELLRWSTVPVP 60
Db 1 MRERPRIGEDSSLSFLQVVAFLAMVGMGTHYSHWPSCCPKSGQDTSSELLRWSTVPVP 60
Qy 61 PLEPARNRHPESCRASEDGFLNSRAISPMRYELDRDLNRLPDQLYHARCLCPHCVSLOT 120
Db 61 PLEPARNRHPESCRASEDGFLNSRAISPMRYELDRDLNRLPDQLYHARCLCPHCVSLOT 120

Qy 121 GSHMDPRGNSELYHNQTVFYRRPCHGEKGTGKGYCLERRLYRVSLACVCVRRVVMG 177
Db 121 GSHMDPRGNSELYHNQTVFYRRPCHGEKGTGKGYCLERRLYRVSLACVCVRRVVMG 177

RESULT 2

US-11-311-561-6
; Sequence 6, Application US/11311561
; Publication No. US20060088917A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Chen, Jian
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul
; APPLICANT: Grimaldi, Christopher
; APPLICANT: Gurney, Austin
; APPLICANT: Li, Hanzhong
; APPLICANT: Hillan, Kenneth
; APPLICANT: Tumas, Daniel
; APPLICANT: VanLookeren, Menno
; APPLICANT: Vandlen, Richard
; APPLICANT: Watanabe, Colin
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William
; APPLICANT: Yansura, Daniel
; TITLE OF INVENTION: IL-17 HOMOLOGOUS POLYPEPTIDES AND THERAPEUTIC USES THEREOF
; FILE REFERENCE: P1381R1C1P1 (US)
; CURRENT APPLICATION NUMBER: US/11/311,561
; CURRENT FILING DATE: 2005-12-20
; PRIOR APPLICATION NUMBER: US/09/747,259
; PRIOR FILING DATE: 2000-12-20
; PRIOR APPLICATION NUMBER: US 09/311,832
; PRIOR FILING DATE: 1999-05-14
; PRIOR APPLICATION NUMBER: US 60/172,096
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: PCT/US99/31274
; PRIOR FILING DATE: 1999-12-30
; PRIOR APPLICATION NUMBER: US 60/175,481
; PRIOR FILING DATE: 2000-01-11
; PRIOR APPLICATION NUMBER: PCT/US00/04341
; PRIOR FILING DATE: 2000-02-18
; PRIOR APPLICATION NUMBER: PCT/US00/05841
; PRIOR FILING DATE: 2000-03-02
; PRIOR APPLICATION NUMBER: US 60/191,007
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: PCT/US00/07532
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: PCT/US00/15264
; PRIOR FILING DATE: 2000-06-02
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 39
; SEQ ID NO 6
; LENGTH: 177
; TYPE: PRT
; ORGANISM: Homo Sapien
US-11-311-561-6

Query Match 100.0%; Score 985; DB 7; Length 177;
Best Local Similarity 100.0%; Pred. No. 3.7e-88;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRERPRIGEDSSLSFLQVVAFLAMVGMGTHYSHWPSCCPKSGQDTSSELLRWSTVPVP 60
Db 1 MRERPRIGEDSSLSFLQVVAFLAMVGMGTHYSHWPSCCPKSGQDTSSELLRWSTVPVP 60
Qy 61 PLEPARNRHPESCRASEDGFLNSRAISPMRYELDRDLNRLPDQLYHARCLCPHCVSLOT 120
Db 61 PLEPARNRHPESCRASEDGFLNSRAISPMRYELDRDLNRLPDQLYHARCLCPHCVSLOT 120
Qy 121 GSHMDPRGNSELYHNQTVFYRRPCHGEKGTGKGYCLERRLYRVSLACVCVRRVVMG 177

Db 121 GSHMDPRGNSELLVHNQTVFYRRPCHGKGTGKGYCLERRLYRVSLACVCRPRVMG 177

RESULT 3

US-11-101-316-156
; Sequence 156, Application US/110101316
; Publication No. US20060099657A1
; GENERAL INFORMATION:
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: ANTIBODIES TO A POLYPEPTIDE ENCODED BY A NUCLEIC ACID
; FILE REFERENCE: P3230R1C17C1
; CURRENT APPLICATION NUMBER: US/11/101,316
; CURRENT FILING DATE: 2005-04-06
; PRIOR APPLICATION NUMBER: 10/063526
; PRIOR FILING DATE: 2002-05-03
; PRIOR APPLICATION NUMBER: 10/006867
; PRIOR FILING DATE: 2001-12-06
; PRIOR APPLICATION NUMBER: PCT/US00/23328
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: 09/380137
; PRIOR FILING DATE: 1999-08-25
; PRIOR APPLICATION NUMBER: PCT/US99/12252
; PRIOR FILING DATE: 1999-06-02
; PRIOR APPLICATION NUMBER: 60/087759
; PRIOR FILING DATE: 1998-06-02
; NUMBER OF SEQ ID NOS: 170
; SEQ ID NO 156
; LENGTH: 177
; TYPE: PRT
; ORGANISM: Homo Sapien
US-11-101-316-156

Query Match 100.0%; Score 985; DB 7; Length 177;
Best Local Similarity 100.0%; Pred. No. 3.7e-88;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MRERPRIGEDSSLSIFLQVAVFLAMVGTHTYSHWSPCCPSKQDTSSELLRWSTVPVP 60
Db 1 MRERPRIGEDSSLSIFLQVAVFLAMVGTHTYSHWSPCCPSKQDTSSELLRWSTVPVP 60
Qy 61 PLEPARNRHPESCRASEDGPLNSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLOT 120
Db 61 PLEPARNRHPESCRASEDGPLNSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLOT 120
Qy 121 GSHMDPRGNSELLVHNQTVFYRRPCHGKGTGKGYCLERRLYRVSLACVCRPRVMG 177
Db 121 GSHMDPRGNSELLVHNQTVFYRRPCHGKGTGKGYCLERRLYRVSLACVCRPRVMG 177

RESULT 4

US-11-311-554-6
; Sequence 6, Application US/11311554
; Publication No. US20060134755A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Chen, Jian
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul
; APPLICANT: Grimaldi, Christopher
; APPLICANT: Gurney, Austin
; APPLICANT: Li, Hanzhong
; APPLICANT: Hillan, Kenneth
; APPLICANT: Tamas, Daniel
; APPLICANT: VanLookeren, Menno
; APPLICANT: Vandlen, Richard
; APPLICANT: Watanabe, Colin
; TITLE OF INVENTION: ANTIBODIES AND BINDING PARTNERS AND METHODS OF USING IN
; FILE REFERENCE: 04-13
; CURRENT APPLICATION NUMBER: US/11/253,200
; CURRENT FILING DATE: 2005-10-18

; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William
; APPLICANT: Yaneura, Daniel
; TITLE OF INVENTION: IL-17 HOMOLOGOUS POLYPEPTIDES AND THERAPEUTIC USES THEREOF
; FILE REFERENCE: P1381R1C1P1 (US)
; CURRENT APPLICATION NUMBER: US/11/311,554
; CURRENT FILING DATE: 2005-12-20
; PRIOR APPLICATION NUMBER: US/09/747,259
; PRIOR FILING DATE: 2000-12-20
; PRIOR APPLICATION NUMBER: US 09/311,832
; PRIOR FILING DATE: 1999-05-14
; PRIOR APPLICATION NUMBER: US 60/172,096
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: PCT/US99/31274
; PRIOR FILING DATE: 1999-12-30
; PRIOR APPLICATION NUMBER: US 60/175,481
; PRIOR FILING DATE: 2000-01-11
; PRIOR APPLICATION NUMBER: PCT/US00/04341
; PRIOR FILING DATE: 2000-02-18
; PRIOR APPLICATION NUMBER: PCT/US00/05841
; PRIOR FILING DATE: 2000-03-02
; PRIOR APPLICATION NUMBER: US 60/191,007
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: PCT/US00/07532
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: PCT/US00/15264
; PRIOR FILING DATE: 2000-06-02
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 39
; SEQ ID NO 6
; LENGTH: 177
; TYPE: PRT
; ORGANISM: Homo Sapien
US-11-311-554-6

Query Match 100.0%; Score 985; DB 7; Length 177;
Best Local Similarity 100.0%; Pred. No. 3.7e-88;
Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MRERPRIGEDSSLSIFLQVAVFLAMVGTHTYSHWSPCCPSKQDTSSELLRWSTVPVP 60
Db 1 MRERPRIGEDSSLSIFLQVAVFLAMVGTHTYSHWSPCCPSKQDTSSELLRWSTVPVP 60
Qy 61 PLEPARNRHPESCRASEDGPLNSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLOT 120
Db 61 PLEPARNRHPESCRASEDGPLNSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLOT 120
Qy 121 GSHMDPRGNSELLVHNQTVFYRRPCHGKGTGKGYCLERRLYRVSLACVCRPRVMG 177
Db 121 GSHMDPRGNSELLVHNQTVFYRRPCHGKGTGKGYCLERRLYRVSLACVCRPRVMG 177

RESULT 5

US-11-253-200-19
; Sequence 19, Application US/11253200
; Publication No. US20060142192A1
; GENERAL INFORMATION:
; APPLICANT: Gao, Zeren
; APPLICANT: Kuestner, Rolf E.
; APPLICANT: Appleby, Mark W.
; APPLICANT: Lewis, Katherine E.
; APPLICANT: McKernan, Patricia A.
; APPLICANT: Okada, Shannon L.
; APPLICANT: Taft, David W.
; APPLICANT: Kuifjper, Joseph L.
; APPLICANT: Jaspers, Stephen R.
; APPLICANT: Levin, Steven D.
; TITLE OF INVENTION: SOLUBLE ZCYTOR21, ANTI-ZCYTOR21
; TITLE OF INVENTION: ANTIBODIES AND BINDING PARTNERS AND METHODS OF USING IN
; FILE REFERENCE: 04-13
; CURRENT APPLICATION NUMBER: US/11/253,200
; CURRENT FILING DATE: 2005-10-18


```
; APPLICANT: Chen, Jian
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul
; APPLICANT: Grimaldi, Christopher
; APPLICANT: Gurney, Austin
; APPLICANT: Li, Hanzhong
; APPLICANT: Hillan, Kenneth
; APPLICANT: Tumas, Daniel
; APPLICANT: VanLookeren, Menno
; APPLICANT: Vandlen, Richard
; APPLICANT: Watanabe, Colin
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William
; APPLICANT: Yansura, Daniel
; TITLE OF INVENTION: IL-17 HOMOLOGOUS POLYPEPTIDES AND THERAPEUTIC USES THEREOF
; FILE REFERENCE: P1381R1C1P1(US)
; CURRENT APPLICATION NUMBER: US/11/311,554
; CURRENT FILING DATE: 2005-12-20
; PRIOR FILING DATE: 2000-12-20
; PRIOR APPLICATION NUMBER: US/09/747,259
; PRIOR FILING DATE: 2000-12-20
; PRIOR APPLICATION NUMBER: US 09/311,832
; PRIOR FILING DATE: 1999-05-14
; PRIOR APPLICATION NUMBER: US 60/172,096
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: PCT/US99/31274
; PRIOR FILING DATE: 1999-12-30
; PRIOR APPLICATION NUMBER: US 60/175,481
; PRIOR FILING DATE: 2000-01-11
; PRIOR APPLICATION NUMBER: PCT/US00/04341
; PRIOR FILING DATE: 2000-02-18
; PRIOR APPLICATION NUMBER: PCT/US00/05841
; PRIOR FILING DATE: 2000-03-02
; PRIOR APPLICATION NUMBER: US 60/191,007
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: PCT/US00/07532
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: PCT/US00/15264
; PRIOR FILING DATE: 2000-06-02
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 39
; SEQ ID NO 4
; LENGTH: 197
; TYPE: PRT
; ORGANISM: Homo Sapien
US-11-311-554-4

Query Match 16.8%; Score 165.5; DB 7; Length 197;
Best Local Similarity 29.7%; Pred. No. 5.5e-09;
Matches 52; Conservative 16; Mismatches 70; Indels 37; Gaps 7;

Qy 31 HTYSHWPCSPCKGQDTSEEL-----LRW-STVP---VPPLEPARPNRHPS 73
Db 27 HPHSHGTPHCYS-----AEELPLGQAPPHLLARGAKWGQALPVALVSSLEAASHRGHER 81
Qy 74 CRASEDGPL-----NSRAISPRWYELDRDLNRLPQDLYHARCLCPHCVSLOTGS 122
Db 82 PSATTQCPVLRPEVLEADTHQRSISPRYRVDTDEDYVQKLAFAECLRCGCIDARTGR 141
Qy 123 HMDPRGNSSELYHNQTVFYRRPCHGEGK---THKGVCLERRLYRVSLACVCVVRP 174
Db 142 ETAAL-NSVRLQLSLVLRRLRRPCSRDGSGLPTPGAFAFHTEFIHVPVGCVCVLRP 195

RESULT 11
US-11-253-200-17
; Sequence 17, Application US/11253200
; Publication No. US20060142192A1
; GENERAL INFORMATION:
; APPLICANT: Gao, Zeren
; APPLICANT: Kuestner, Rolf E.
; APPLICANT: Appleby, Mark W.
```

```
; APPLICANT: Lewis, Katherine E.
; APPLICANT: McKernan, Patricia A.
; APPLICANT: Okada, Shannon L.
; APPLICANT: Taft, David W.
; APPLICANT: Kuijper, Joseph L.
; APPLICANT: Jaspers, Stephen R.
; APPLICANT: Levin, Steven D.
; TITLE OF INVENTION: SOLUBLE ZCYTOR21, ANTI-ZCYTOR21
; TITLE OF INVENTION: ANTIBODIES AND BINDING PARTNERS AND METHODS OF USING IN
; FILE REFERENCE: 04-13
; CURRENT APPLICATION NUMBER: US/11/253,200
; CURRENT FILING DATE: 2005-10-18
; PRIOR APPLICATION NUMBER: US 60/619,651
; PRIOR FILING DATE: 2004-10-18
; PRIOR APPLICATION NUMBER: US 60/622,207
; PRIOR FILING DATE: 2004-10-25
; NUMBER OF SEQ ID NOS: 166
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 17
; LENGTH: 197
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-253-200-17

Query Match 16.8%; Score 165.5; DB 7; Length 197;
Best Local Similarity 29.7%; Pred. No. 5.5e-09;
Matches 52; Conservative 16; Mismatches 70; Indels 37; Gaps 7;

Qy 31 HTYSHWPCSPCKGQDTSEEL-----LRW-STVP---VPPLEPARPNRHPS 73
Db 27 HPHSHGTPHCYS-----AEELPLGQAPPHLLARGAKWGQALPVALVSSLEAASHRGHER 81
Qy 74 CRASEDGPL-----NSRAISPRWYELDRDLNRLPQDLYHARCLCPHCVSLOTGS 122
Db 82 PSATTQCPVLRPEVLEADTHQRSISPRYRVDTDEDYVQKLAFAECLRCGCIDARTGR 141
Qy 123 HMDPRGNSSELYHNQTVFYRRPCHGEGK---THKGVCLERRLYRVSLACVCVVRP 174
Db 142 ETAAL-NSVRLQLSLVLRRLRRPCSRDGSGLPTPGAFAFHTEFIHVPVGCVCVLRP 195

RESULT 12
US-11-311-555-2
; Sequence 2, Application US/11311555
; Publication No. US20060088916A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Chen, Jian
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul
; APPLICANT: Grimaldi, Christopher
; APPLICANT: Gurney, Austin
; APPLICANT: Li, Hanzhong
; APPLICANT: Hillan, Kenneth
; APPLICANT: Tumas, Daniel
; APPLICANT: VanLookeren, Menno
; APPLICANT: Vandlen, Richard
; APPLICANT: Watanabe, Colin
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William
; APPLICANT: Yansura, Daniel
; TITLE OF INVENTION: IL-17 HOMOLOGOUS POLYPEPTIDES AND THERAPEUTIC USES THEREOF
; FILE REFERENCE: P1381R1C1P1(US)
; CURRENT APPLICATION NUMBER: US/11/311,555
; CURRENT FILING DATE: 2005-12-20
; PRIOR APPLICATION NUMBER: US/09/747,259
; PRIOR FILING DATE: 2000-12-20
; PRIOR APPLICATION NUMBER: US 09/311,832
; PRIOR FILING DATE: 1999-05-14
; PRIOR APPLICATION NUMBER: US 60/172,096
```

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; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: PCT/US99/31274
; PRIOR FILING DATE: 1999-12-30
; PRIOR APPLICATION NUMBER: US 60/175,481
; PRIOR FILING DATE: 2000-01-11
; PRIOR APPLICATION NUMBER: PCT/US00/04341
; PRIOR FILING DATE: 2000-02-18
; PRIOR APPLICATION NUMBER: PCT/US00/05841
; PRIOR FILING DATE: 2000-03-02
; PRIOR APPLICATION NUMBER: US 60/191,007
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: PCT/US00/07532
; PRIOR FILING DATE: 2000-06-02
; PRIOR APPLICATION NUMBER: PCT/US00/15264
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 39
; SEQ ID NO 2
; LENGTH: 180
; TYPE: PRT
; ORGANISM: Homo Sapien
US-11-311-555-2

Query Match      12.7%; Score 125.5; DB 7; Length 180;
Best Local Similarity 33.3%; Pred. No. 3.6e-05;
Matches 30; Conservative 16; Mismatches 39; Indels 5; Gaps 3;

Qy 83 NSRAISPMRYELDLNRLPDLYHARCLCPHCYVSLQSGHMDPRGNSSELYHNQTVFYR 142
Db 94 NKRSLSPMGYISINHDPRIPIVDLPEARCLCLGCVNPF--MQEDRSVMVSPVFSQVPVRR 151

Qy 143 RPCHGEKGTGKGYCLERLYR-VSLACVCV 171
Db 152 RLCPPTPT--GPCRQAVMETIAGVCTCI 179

RESULT 13
US-11-311-561-2
; Sequence 2, Application US/11311561
; Publication No. US20060088917A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Chen, Jian
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul
; APPLICANT: Grimaldi, Christopher
; APPLICANT: Gurney, Austin
; APPLICANT: Li, Hanzhong
; APPLICANT: Hillan, Kenneth
; APPLICANT: Tamas, Daniel
; APPLICANT: VanLookeren, Menno
; APPLICANT: Vandlen, Richard
; APPLICANT: Watanabe, Colin
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William
; APPLICANT: Yansura, Daniel
; TITLE OF INVENTION: IL-17 HOMOLOGOUS POLYPEPTIDES AND THERAPEUTIC USES THEREOF
; FILE REFERENCE: P1381R1C1P1(US)
; CURRENT APPLICATION NUMBER: US/11/311,561
; CURRENT FILING DATE: 2005-12-20
; PRIOR APPLICATION NUMBER: US/09/747,259
; PRIOR FILING DATE: 2000-12-20
; PRIOR APPLICATION NUMBER: US 09/311,832
; PRIOR FILING DATE: 1999-05-14
; PRIOR APPLICATION NUMBER: US 60/175,096
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: PCT/US99/31274
; PRIOR FILING DATE: 1999-12-30
; PRIOR APPLICATION NUMBER: US 60/175,481
; PRIOR FILING DATE: 2000-01-11
; PRIOR APPLICATION NUMBER: PCT/US00/04341
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: PCT/US99/31274
; PRIOR FILING DATE: 1999-12-30
; PRIOR APPLICATION NUMBER: US 60/175,481
; PRIOR FILING DATE: 2000-01-11
; PRIOR APPLICATION NUMBER: PCT/US00/04341

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; PRIOR FILING DATE: 2000-02-18
; PRIOR APPLICATION NUMBER: PCT/US00/05841
; PRIOR FILING DATE: 2000-03-02
; PRIOR APPLICATION NUMBER: US 60/191,007
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: PCT/US00/07532
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: PCT/US00/15264
; PRIOR FILING DATE: 2000-06-02
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 39
; SEQ ID NO 2
; LENGTH: 180
; TYPE: PRT
; ORGANISM: Homo Sapien
US-11-311-561-2

Query Match      12.7%; Score 125.5; DB 7; Length 180;
Best Local Similarity 33.3%; Pred. No. 3.6e-05;
Matches 30; Conservative 16; Mismatches 39; Indels 5; Gaps 3;

Qy 83 NSRAISPMRYELDLNRLPDLYHARCLCPHCYVSLQSGHMDPRGNSSELYHNQTVFYR 142
Db 94 NKRSLSPMGYISINHDPRIPIVDLPEARCLCLGCVNPF--MQEDRSVMVSPVFSQVPVRR 151

Qy 143 RPCHGEKGTGKGYCLERLYR-VSLACVCV 171
Db 152 RLCPPTPT--GPCRQAVMETIAGVCTCI 179

RESULT 14
US-11-311-554-2
; Sequence 2, Application US/11311554
; Publication No. US20060134755A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Chen, Jian
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul
; APPLICANT: Grimaldi, Christopher
; APPLICANT: Gurney, Austin
; APPLICANT: Li, Hanzhong
; APPLICANT: Hillan, Kenneth
; APPLICANT: Tamas, Daniel
; APPLICANT: VanLookeren, Menno
; APPLICANT: Vandlen, Richard
; APPLICANT: Watanabe, Colin
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William
; APPLICANT: Yansura, Daniel
; TITLE OF INVENTION: IL-17 HOMOLOGOUS POLYPEPTIDES AND THERAPEUTIC USES THEREOF
; FILE REFERENCE: P1381R1C1P1(US)
; CURRENT APPLICATION NUMBER: US/11/311,554
; CURRENT FILING DATE: 2005-12-20
; PRIOR APPLICATION NUMBER: US/09/747,259
; PRIOR FILING DATE: 2000-12-20
; PRIOR APPLICATION NUMBER: US 09/311,832
; PRIOR FILING DATE: 1999-05-14
; PRIOR APPLICATION NUMBER: US 60/172,096
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: PCT/US99/31274
; PRIOR FILING DATE: 1999-12-30
; PRIOR APPLICATION NUMBER: US 60/175,481
; PRIOR FILING DATE: 2000-01-11
; PRIOR APPLICATION NUMBER: PCT/US00/04341
; PRIOR FILING DATE: 2000-02-18
; PRIOR APPLICATION NUMBER: PCT/US00/05841
; PRIOR FILING DATE: 2000-03-02
; PRIOR APPLICATION NUMBER: US 60/191,007
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: PCT/US00/07532

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GenCore version 5.1.9
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OM protein - protein search, using sw model

Run on: July 6, 2006, 07:56:56 ; Search time 39 Seconds
(without alignments)
436.676 Million cell updates/sec

Title: US-10-617-573-6

Perfect score: 985

Sequence: 1 MRERPRIGEDSSLSIFLQV.....ERRLYRVSACVCVRPMVG 177

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 283416 seqs, 96216763 residues

Total number of hits satisfying chosen parameters: 283416

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 100 summaries

Database :

PIR_80.*

1: PIR1.*

2: PIR2.*

3: PIR3.*

4: PIR4.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	107	10.9	162	2	hypothetical prote
2	93.5	9.5	151	1	immediate-early pr
3	91	9.2	150	2	cytotoxic T-lympho
4	88.5	9.0	422	1	sperm-binding glyco
5	86	8.7	147	2	cytotoxic T-lympho
6	83	8.4	1323	2	N-methyl-D-asparta
7	81.5	8.3	467	2	serine/threonine p
8	78.5	8.0	206	2	hypothetical prote
9	78	7.9	358	1	hydrogenase (EC 1.
10	77.5	7.9	961	1	thrombospondin 4 p
11	77	7.8	263	2	SH2-containing ino
12	77	7.8	344	1	hypothetical prote
13	76.5	7.8	1323	2	hydrogenase (EC 1.
14	75.5	7.7	446	2	N-methyl-D-asparta
15	75.5	7.7	898	2	hypothetical prote
16	75.5	7.7	1189	2	hypothetical prote
17	74.5	7.6	850	2	SH2-containing ino
18	74.5	7.6	892	2	gastric mucin MUC5
19	74.5	7.6	1132	2	DNA topoisomerase
20	74.5	7.6	1175	2	telomerase catalyt
21	74.5	7.6	1254	1	adenosine deaminas
22	74.5	7.6	1254	1	structural polypro
23	74.5	7.6	1612	2	gastric mucin MUC5
24	74	7.5	237	2	DNA (cytosine-5-)-
25	73.5	7.5	735	2	hypothetical prote
26	73	7.4	482	2	ADAM 6 protein pre
27	73	7.4	1840	2	collagen alpha 1(X
28	72.5	7.4	240	2	GRI protein - mous
29	72.5	7.4	294	2	insulin-like growt
					hypothetical prote

hypothetical prote
hypothetical prote
phosphatidylinosit
structural polypro
hypothetical prote
hypothetical prote
insulin-like growt
hydrogenase (EC 1.
tumor suppressor p
probable epidermal
probable epidermal
hypothetical prote
hypothetical prote
coagulation factor
stromelysin 3 (EC
hypothetical prote
hypothetical prote
hypothetical prote
Ras guanine nucleo
cytochrome c3 pre
iodide peroxidase
Bassoon protein -
hypothetical prote
XA-1 protein precu
probable flavoprot
radixin - mouse
polyferredoxin - M
microfibril-associ
mucin JUL10 - huma
countertrypsin prec
Li protein - bovin
kinase associated
protein kinase SNF
hypothetical prote
hypothetical prote
potassium channel
hypothetical prote
probable RING zinc
hypothetical prote
cellular tumor ant
transcription fact
cellular tumor ant
cellular tumor ant
transforming prote
alpha-fetoprotein
basomucin - human
laminin beta-1 cha
fatty-acid synthas
motilin precursor
folistatin 1 prec
UL41 protein - hum
hypothetical prote
hypothetical prote
polyprotein - equi
hypothetical prote
OP protein - Kanne
WD-repeat protein
RING finger protei
late I3 23K protei
thauemin-like pro
mucin JUL7 - human
ror-related recept
CRYIac toxin-bindi
hypothetical prote
rab3 effector prot
H+/Ca2+ exchanging
hypothetical prote
alpha-2-macroglobu
alpha-amylase inhi
cysteine-rich prot

ALIGNMENTS

```

RESULT 1
T32515
hypoetical protein C44B12.6 - Caenorhabditis elegans.
C:Species: Caenorhabditis elegans
C:Date: 29-Oct-1999 #sequence_revision 29-Oct-1999 #text_change 09-Jul-2004
C:Accession: T32515
R:Tin-Wollam, A.
submitted to the EMBL Data Library, December 1997
A:Description: The sequence of C. elegans cosmid C44B12.
A:Reference number: Z21183
A:Accession: T32515
A:Status: preliminary; translated from GB/EMBL/DBJ
A:Molecule type: DNA
A:Residues: 1-162 <TIN>
A:Cross-references: UNIPROT:O44146; UNIPARC:UPI000007PCF3; EMBL:AF036692; PIDN:AAB88329
A:Experimental source: strain Bristol N2; clone C44B12
C:Genetics:
A:Gene: CESP:C44B12.6
A:Map position: 4
A:Introns: 41/3; 95/3; 115/1

Query Match      10.9%; Score 107; DB 2; Length 162;
Best Local Similarity 26.2%; Pred. No. 0.011;
Matches 34; Conservative 23; Mismatches 39; Indels 34; Gaps 6;

Qy      43 KGQDTSEELRWSTVPVPPLPEAPRPNRHPSCRASGDPGLNSRAISPRVLELDRLNRLP 102
      | : | | : | : | : |
Db      57 KSRDCSEPSIDKSEVLTP-----DQPLSER SICPYHHILNVDKRIIP 98
      | : | | : | : | : |
Qy      103 QDLVHARCLCPHCVSLOTG--SHMDPRGNSellyNQVYVRRPCHGKGTGKGYCLERRL 161
      | : | | : | : | : |
Db      99 AATSEVTCSPH-KVVGHHIHCEP-----MMYNRWVMLFDDSC--DK-----YVERV 143
      | : | | : | : | : |
Qy      162 YRVSLACVCV 171
      : | : | | |
Db      144 OKVALACVPV 153

```

RESULT 2
B45351
immediate-early protein 2 - saimirine herpesvirus 1 (strain 11)
N/Alternate names: hypothetical protein ORF13
C/Species: saimirine herpesvirus 1
A:Date: host Saimiri sciureus (common squirrel monkey)
C:Date: 30-Sep-1993 #sequence_revision 30-Sep-1993 #text_change 16-Jul-1999
C/Accession: B45351; D36807
R/Nicholas, J.; Smith, E.P.; Coles, L.; Honess, R.
Virology 179, 189-200, 1990
A/Title: Gene expression in cells infected with gammaherpesvirus saimiri: properties of
A/Reference number: A45351; MUID:91021021; PMID:1699352
A/Accession: B45351
A/Molecule type: mRNA
A/Residues: 1-151 -N1C>
A/Cross-references: UNIPARC:UPI00001384DB; GB:M60286; NID:g331040; PIDN:AAA46156.1; PID:
R/Albrecht, J.
submitted to the EMBL Data Library, January 1992
A/Description: Primary structure of the herpesvirus saimiri genome.
A/Reference number: A36806
A/Accession: D36807
A/Molecule type: DNA
A/Residues: 1-151 -ALUB>
A/Cross-references: UNIPARC:UPI00001384DB; GB:X64346; NID:g60320; PIDN:CAA45636.1; PID:G
R/Albrecht, J.C.; Nicholas, J.; Biller, D.; Cameron, K.R.; Biesinger, B.; Newman, C.; Wil
J.Virol. 66, 5047-5058, 1992
A/Title: Primary structure of the herpesvirus saimiri genome.
A/Reference number: A37309; MUID:92333688; PMID:11321287
A/Contents: annotation; protein-coding frames
A/Note: neither protein nor nucleotide sequence is given
C/Genetics:
A/Gene: 13

C;Superfamily: saimiri herpesvirus immediate-early protein 2
C;Keywords: early protein

Query Match 9.5%; Score 93.5; DB 1; Length 151;
Best Local Similarity 23.0%; Pred. No. 0.18;
Matches 40; Conservative 28; Mismatches 65; Indels 41; Gaps 8;

Qy 11 SLLISLFLQVAVFLAMVWGTHYSHWPCSCPSKGQDTSSEELL-----RMSVTVPVPLEPA 65
|||::|||::|||::|||::|||::|||::|||::|||::|||:
Db 6 TSLVLLLL--LSIDCIKVEITSAQTPCLLAANNFPRSMVMTLSIRNWT-----54
|||::|||::|||::|||::|||::|||::|||::|||::|||:

Qy 66 RPNRHPPSCRASEDGPLNSRAISPMRYELDRDLNLRLPDQLYHARCILCPHCVSLOTGSHMD 125
|||||::|||::|||::|||::|||::|||::|||::|||::|||:
Db 55 -----SSKRASD---YYNRSTSPWLTHRNEDQDRYPVSIWEAKCYLGCVNAD-----99
|||::|||::|||::|||::|||::|||::|||::|||::|||:

Qy 126 PRGNSELLYNHOTVFYRRPCC-----HGEKGTGKYGLERLRYSVLACVCVRPV 175
|||::|||::|||::|||::|||::|||::|||::|||::|||:
Db 100 --GNVD--YHMNSVP IQOEILLVWRKHGPCNPFRLEKML--VTVGCTCTPIV 147
|||::|||::|||::|||::|||::|||::|||::|||::|||:

RESULT 3
I49623
cytotoxic T-lymphocyte-associated antigen 8 precursor - mouse
N;Alternate names: immediate-early protein 2 (ORF13) homolog
C;Species: Mus musculus (house mouse)
C;Date: 02-Jul-1996 #sequence_revision 02-Jul-1996 #text_change 26-Aug-1999
A;Accession: I49623
E;Rouvier E.; Luciani, M.
J. Immunol. 150, 5445-5456, 1993
A;Title: CTLA-8, cloned from an activated T cell, bearing AU-rich messenger RNA instability
A;Reference number: I49623; MUID: 93294300; PMID: 8390535
A;Accession: I49623
A;Status: preliminary; translated from GB/EMBL/DDBJ
A;Molecule type: mRNA
A;Residues: 1-150 <RES>
A;Cross-references: UNIPARC:UPI000012D484; GB:L13839; NID:g293329; PIDN:AAA37490.1; PID:
C;Genetics:
A;Gene: Ctla-8
C;Superfamily: saimiri herpesvirus immediate-early protein 2

Query Match 9.2%; Score 91; DB 2; Length 150;
Best Local Similarity 29.7%; Pred. No. 0.3;
Matches 30; Conservative 17; Mismatches 44; Indels 10; Gaps 5;

Qy 73 SCRASEDGPLN--SRAISPMRYELDRNLRLPDQLYHARCILCPHCVSLOTGSHMDPRGS 130
|||::|||::|||::|||::|||::|||::|||::|||::|||:
Db 50 SSKASSRRSPSYLNKSTSPWTLTRNEDDPDYSPSVIWEAQCRHQRCVNAE--GKLDDHMNS 107
|||::|||::|||::|||::|||::|||::|||::|||::|||:

Qy 131 ELLYHNQTFFYRRPCHGEKGTGKYGLERLRYSVLACVCV 171
|||::|||::|||::|||::|||::|||::|||::|||::|||:
Db 108 VLIOQEILLVKREP---EKCPFT-FRVEKML--VGVGCTCTV 142
|||::|||::|||::|||::|||::|||::|||::|||::|||:

RESULT 4
A60503
sperm-binding glycoprotein ZP3 precursor - golden hamster
N;Alternate names: sperm receptor; zona pellucida glycoprotein ZP3
C;Species: Mesocricetus auratus (golden hamster)
C;Date: 10-Sep-1999 #sequence_revision 10-Sep-1999 #text_change 10-Sep-1999
A;Accession: A60503
R;Kinloch, R.A.; Ruiz-Seiler, B.; Wasserman, P.M.
Dev. Biol. 142, 414-421, 1990
A;Title: Genomic organization and polypeptide primary structure of zona pellucida glycoprotein ZP3
A;Reference number: A60503; MUID: 91078540; PMID: 2257975
A;Accession: A60503
A;Molecule type: DNA
A;Residues: 1-422 <KIN>
A;Cross-references: UNIPARC:UPI00001744E3; GB:M63629
A;Note: The authors translated the codon CAA for residue 251 as Glu, and AGG for residue 411 as Arg.
C;Comment: This sulfated glycoprotein in the zona pellucida of the oocyte is a receptor for sperm.
C;Superfamily: sperm-binding glycoprotein ZP3; ZP domain homology
C;Keywords: Glycoprotein; oocyte
F;45-300/Domain: ZP domain homology <2PF>

Query Match 9.0%; Score 88.5; DB 1; Length 422;
 Best Local Similarity 28.8%; Pred. No. 1.5;
 Matches 42; Conservative 19; Mismatches 46; Indels 39; Gaps 9;

Qy 7 LGEDS--SLISFLQVAFAMVGMTHYSHWPCSCPKGQDTSBELLRWSTV-----P 58
 Db 73 LGSENCRLVSVATDVAFKAQL---HE-----CSNRVQVT--BDALVYSTVLLHQPRP 121

Qy 59 VPPELPAPRNH--PESCRASEDGLNSRAISPMRYELDRDLN-----RLPQDIYH 107
 Db 122 VGLSILNTRADVPICRYPRQGNVSHAIRPTWVPFSTTVSSBEKLVFSLRLMEENWN 181

Qy 108 ARCLCP--HC-----VSLQTGSHM 124
 Db 182 TEKLSPTSHLGEVAVLQAEVQTGSHL 207

RESULT 5
 JC4628
 cytotoxic T-lymphocyte-associated antigen 8 precursor - mouse
 N:Alternate names: CTLA8 protein
 C:Species: Mus musculus (house mouse)
 C:Date: 10-May-1996 #sequence_revision 19-Jul-1996 #text_change 09-Jul-2004
 C:Accession: Jc4628
 R;Yao, Z.; Timour, M.; Painter, S.; Fanslow, W.; Spriggs, M.
 Gene 168, 223-225, 1996
 A:Title: Complete nucleotide sequence of the mouse CTLA8 gene.
 A:Reference number: JC4628; MUID:96194901; PMID:8654948
 A:Accession: JC4628
 A:Molecule type: DNA
 A:Residues: 1-147 <YAO>
 A:Cross-references: UNIPROT:Q62386; UNIPARC:UPI000016CB50; GB:U35108; NID:gl244499; PIDN:JC4628
 C:Genetics:
 A:Gene: ctla8
 A:Introns: 69/2
 C:Superfamily: saimiri herpesvirus immediate-early protein 2
 C:Keywords: cytokine; glycoprotein; lymphocyte
 F:1-14/Domain: signal sequence #status predicted <STG>
 F:15-147/Product: cytotoxic T-lymphocyte-associated antigen 8 #status predicted <MAT>
 F:60/Binding site: carbohydrate (Asn) (covalent) #status predicted

Query Match 8.7%; Score 86; DB 2; Length 147;
 Best Local Similarity 27.3%; Pred. No. 0.85;
 Matches 24; Conservative 16; Mismatches 40; Indels 8; Gaps 3;

Qy 84 SRAISPMRYELDRDLNRLPQDLVHARCLCPHCVSLQTGSHMDPRGNSBLLYHNTQTVFYRR 143
 Db 60 NRSTSPWTLHRNPDPRYPSVIEAQCRRQRCVNAE--GKLDHMHNSVLIQEILVLKRE 117

Qy 144 PCHGEKTHKGYCLERRLYRVSACVCV 171
 Db 118 P-----ESCFFTRVEKML--VGVGCTCV 139

RESULT 6
 I78557
 N-methyl-D-aspartate receptor chain NMDAR2D-2 - rat
 C:Species: Rattus norvegicus (Norway rat)
 C:Date: 02-Aug-1996 #sequence_revision 02-Aug-1996 #text_change 09-Jul-2004
 C:Accession: I78557; I58158; D45219
 R;Monyer, H.; Burnashev, N.; Laurie, D.J.; Sakmann, B.; Seeburg, P.H.
 Neuron 12, 529-540, 1994
 A:Title: Developmental and regional expression in the rat brain and functional properties
 A:Reference number: I58158; MUID:94206533; PMID:7512349
 A:Accession: I78557
 A:Status: preliminary; translated from GB/EMBL/DBJ
 A:Molecule type: mRNA
 A:Residues: 1-1323 <RES>
 A:Cross-references: UNIPROT:Q62645; UNIPARC:UPI0000167934; GB:L31612; NID:g469068; PIDN:I78557
 A:Accession: I58158
 A:Status: preliminary; translated from GB/EMBL/DBJ
 A:Molecule type: mRNA

A:Residues: 1-66,'V',68-1323 <RE2>
 A:Cross-references: UNIPARC:UPI0000170A70; GB:L31611; NID:g469066; PIDN:AAC37646.1; PID:R;Ishii, T.; Moriyoshi, K.; Sugihara, H.; Sakurada, K.; Kadotani, H.; Yokoi, M.; Akazawa, J. Biol. Chem. 268, 2836-2843, 1993
 A:Title: Molecular characterization of the family of the N-methyl-D-aspartate receptor s
 A:Reference number: A45219; MUID:93155102; PMID:8428958
 A:Accession: D45219
 A:Status: preliminary; not compared with conceptual translation
 A:Molecule type: nucleic acid
 A:Residues: 1265-1323 <ISH>
 A:Cross-references: UNIPARC:UPI0000177969
 A:Experimental source: brain
 A>Note: sequence extracted from NCBI backbone (NCBIP:124265)
 C:Superfamily: N-methyl-D-aspartate receptor 2D; glutamate receptor homology
 F:451-879/Domain: glutamate receptor homology <GRH>

Query Match 8.4%; Score 83; DB 2; Length 1323;
 Best Local Similarity 26.7%; Pred. No. 15;
 Matches 35; Conservative 7; Mismatches 39; Indels 50; Gaps 7;

Qy 54 WSTVPVPLEPAR---PNRHPESCRASEDGPL-----NSRAISPMRYELDRDLNRLPQ 103
 Db 1202 WAAGP-PFRRRRCGCRPHPRASHRAPAAAPHHRHRRRAAGWDFFPPAPTSSKSL 1260

Qy 104 DL-----YHARCLCPHCV-----SLQTGSHMDPRGNSBLLYHNTQTVFYRR 143
 Db 1261 DLSSCPRAAPTRRLTGPSRHAR-RCPHAAHWGPPPLTASHRRHG----- 1304

Qy 144 PCHGEKTHKG 154
 Db 1305 --GDLGTRRG 1312

RESULT 7
 A47388
 serine/threonine protein kinase - rat
 C:Species: Rattus norvegicus (Norway rat)
 C:Date: 21-Jan-1994 #sequence_revision 18-Nov-1994 #text_change 09-Jul-2004
 C:Accession: A47388
 R;Patriotis, C.; Makris, A.; Bear, S.B.; Tsichlis, P.N.
 Proc. Natl. Acad. Sci. U.S.A. 90, 2251-2255, 1993
 A:Title: Tumor progression locus 2 (Tpl-2) encodes a protein kinase involved in the prog
 A:Reference number: A47388; MUID:93211939; PMID:7681591
 A:Accession: A47388
 A:Status: preliminary
 A:Molecule type: nucleic acid
 A:Residues: 1-467 <PAT>
 A:Cross-references: UNIPROT:Q63562; UNIPARC:UPI000012EAD8; GB:M94454; NID:g207082; PIDN:R;McMurray, A.
 A:Experimental source: liver
 A>Note: sequence extracted from NCBI backbone (NCBIN:128133, NCBIP:128134)
 F:136-388/Domain: protein kinase homology <KIN>

Query Match 8.3%; Score 81.5; DB 2; Length 467;
 Best Local Similarity 30.3%; Pred. No. 7.2;
 Matches 33; Conservative 8; Mismatches 37; Indels 31; Gaps 5;

Qy 40 CPSKGO--DTSEBLLRWSTVPVPLEPAR-----PNRHPESCRASEDGP 81
 Db 50 CPDSNQNKHESSLLR--SGQEVPLWSSVRYGTVEDLLAFANHISNTTKHFYRCRPQESGI 108

Qy 82 LNRAISP--WRVELDRDLNRLPQDLVHARCLCPHCVSLQTGSHMDPRG 128
 Db 109 LLNWNISFQNGRYQIDSDVLLVPWKLTYR-----SIGSGFVRPG 147

RESULT 8
 T25139
 hypothetical protein T22H6.1 - Caenorhabditis elegans
 C:Species: Caenorhabditis elegans
 C:Date: 15-Oct-1999 #sequence_revision 15-Oct-1999 #text_change 09-Jul-2004
 C:Accession: T25139
 R;McMurray, A.
 submitted to the EMBL Data Library, August 1995

A;Reference number: Z19986
A;Accession: T25139
A;Status: preliminary; translated from GB/EMBL/DBJ
A;Molecule type: DNA
A;Residues: 1-206 <WIL>
A;Cross-references: UNIPROT:Q22687; UNIPARC:UPI000007B874; EMBL:Z50797; PIDN:CAA90671.1;
A;Experimental source: clone T22H6
C;Genetics:
A;Gene: CESP:T22H6.1
A;Map position: X
A;Introns: 19/2; 80/3; 128/3; 162/3

Query Match 8.0%; Score 78.5; DB 2; Length 206;
Best Local Similarity 20.0%; Pred. No. 5.9;
Matches 33; Conservative 21; Mismatches 46; Indels 65; Gaps 6;

Qy 34 SHWSPCCPS-----KGQDTSBELLRWSTVPVPPLEPARPNRHPSGCR-----S 77
Db 63 SHVSPAPSYQALLRLQVKLKHGEQITKSS-----GKNSKKLDTIS 106

Qy 78 EDGPLNSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLQTGSHMDPRGNSSELL----- 133
Db 107 AETPLDRALCKFEYLVNPNKRLPAALTEVKCSC-----PRPNSKLVGKRI 153

Qy 134 -----YHNQTVFRRPCHCEKTHKGICYLERLYRVSLACVCV 171
Db 154 FECBHLRYQVRVLMWDDSCN-----TFREHVTETALACIPV 189

RESULT 9
JQ0805
hydrogenase (EC 1.18.99.1) small chain precursor - Azotobacter vinelandii
N;Alternate names: hydrogenlyase; [NiFe]hydrogenase
C;Species: Azotobacter vinelandii
C;Date: 10-Sep-1999 #sequence_revision 10-Sep-1999 #text_change 09-Jul-2004
C;Accession: JQ0805
R;Menon, A.L.; Stults, L.W.; Robson, R.L.; Mortenson, L.E.
Gene 96, 67-74, 1990
A;Title: Cloning, sequencing and characterization of the [NiFe]hydrogenase-encoding stru
A;Reference number: JQ0805; MUID:91092503; PMID:2265761
A;Accession: JQ0805
A;Molecule type: DNA
A;Residues: 1-358 <MEN>
A;Cross-references: UNIPROT:P21950; UNIPARC:UPI000012ED27; GB:M33152; MID:G142310; PIDN:
A;Experimental source: strain OP
A;Note: part of this sequence, including the amino end of the mature protein, was confir
C;Genetics:
A;Gene: hoxK
C;Complex: heterodimer; large and small chain
C;Function:
A;Pathway: hydrogen metabolism
A;Note: contains iron-sulfur and nickel
C;Superfamily: hydrogenase (NiFe) small chain
C;Keywords: 3Fe-4S; 4Fe-4S; heterodimer; hydrogen metabolism; iron-sulfur protein; membr
F;1-45/Domain: signal sequence #status predicted <SIG>
F;46-358/Product: hydrogenase small chain #status experimental <MAT>
F;62,65,160,194/Binding site: 4Fe-4S cluster (Cys) (covalent) #status predicted
F;232,235,260,266/Binding site: 4Fe-4S cluster (His, Cys, Cys) (covalent) (type N3)
F;275,294,297/Binding site: 3Fe-4S cluster (Cys) (covalent) #status predicted

Query Match 7.9%; Score 78; DB 1; Length 358;
Best Local Similarity 21.9%; Pred. No. 11;
Matches 37; Conservative 19; Mismatches 35; Indels 78; Gaps 11;

Qy 36 WPSCCPSKGQDTSBELLRWSTVPVPPLEPARPNRHPSGCRSEDGPLNSRAISPMRYELD 95
Db 157 WGSCA-----SWGCV-----QAARP-----PTQAVPIHKVITD 185

Qy 96 RDLNRLPQDLYHARCLCPHCVSLQTG-----SHMDPRGNSSELL-----HNQTVF 140
Db 186 KPIVKVFG-----CPPIAEVMTGVITYMLTFGLKPLDRLQGRPKVFGRIHDKC-- 235

Qy 141 YRRPCH-----GEKGTGKGYCLERLYRVSL-----ACVCVR 172

Db 236 YRRP-HFDAGQFVEHWDDGARKGYC-----LYKVGCKGPTSYNACSTVR 279

RESULT 10
TSHP4
thrombospondin 4 precursor - human
C;Species: Homo sapiens (man)
C;Date: 06-Jan-1995 #sequence_revision 11-Aug-1995 #text_change 09-Jul-2004
C;Accession: A55710; S36069
R;Lawler, J.; McHenry, K.; Duquette, M.; Derick, L.
J. Biol. Chem. 270, 2809-2814, 1995
A;Title: Characterization of human thrombospondin-4.
A;Reference number: A55710; MUID:95155352; PMID:7852353
A;Accession: A55710
A;Molecule type: mRNA
A;Residues: 1-961 <LAW>
A;Cross-references: UNIPROT:P35443; UNIPARC:UPI0000038AB2; EMBL:Z19585; MID:G311625; PID:
A;Note: authors translated the codon GTG for residue 616 as Ser
C;Genetics:
A;Gene: GDB:THBS4
A;Cross-references: GDB:463011; OMIM:600715
A;Map position: 1q21-1q23
C;Complex: homotrimer, disulfide linked
C;Function:
A;Description: participates in cell migration and adhesion, and in platelet aggregation
C;Superfamily: thrombospondin 3; EGF homology
C;Keywords: beta-hydroxyasparagine; beta-hydroxyaspartic acid; calcium binding; cell adh
F;1-21/Domain: signal sequence #status predicted <SIG>
F;22-961/Product: thrombospondin 4 #status predicted <MAT>
F;290-324/Domain: EGF homology <EGF1>
F;330-362/Domain: EGF homology <EGF>
F;362-564/Region: cell attachment (R-G-D) motif
F;303/Modified site: erythro-beta-hydroxyaspartic acid (Asp) #status predicted
F;343/Modified site: erythro-beta-hydroxyasparagine (Asn) #status predicted
F;612,941/Binding site: carbohydrate (Asn) (covalent) #status predicted

Query Match 7.9%; Score 77.5; DB 1; Length 961;
Best Local Similarity 27.3%; Pred. No. 35;
Matches 38; Conservative 13; Mismatches 47; Indels 41; Gaps 8;

Qy 7 LGEDSLISLFLQVAFAMVMGTHYTHWSPCCPSKGQDTSBELLRWSTV--PVPPLEP 64
Db 234 LGEVKDLLRQVKETSFL-----RNTIACQACGLKFSQPTP-----STVVAAPAPP 283

Qy 65 ARPNRHPS-----CRASED-----GPLNSRAISPMRYE-----LORDLNRLPQDLY 106
Db 284 TRPPRRCDNPPCRGVQCTDSRDGFQCGP-----CPEGYTGNGITCIDVD-----ECKY 332

Qy 107 HARCLCPHCVSLQTGSHMD 125
Db 333 HPCYPGVHCINUSPGPRCD 351

RESULT 11
T48742
hypothetical protein 8D4.160 [imported] - Neurospora crassa
C;Species: Neurospora crassa
C;Date: 05-May-2000 #sequence_revision 05-May-2000 #text_change 19-May-2000
C;Accession: T48742
R;Schulte, U.; Align, V.; Hoheisel, J.; Brandt, P.; Fartmann, B.; Holland, R.; Nyakatura,
submitted to the Protein Sequence Database, April 2000
A;Reference number: Z24541
A;Accession: T48742
A;Status: preliminary
A;Molecule type: DNA
A;Residues: 1-263 <SCH>
A;Cross-references: UNIPARC:UPI0000179476; EMBL:AL353819; GSPDB:GN00112; NCSP:8D4.160
A;Experimental source: cosmid contig 8D4; strain 74
C;Genetics:
A;Gene: NCSP:8D4.160
A;Map position: 2
A;Introns: 32/3; 76/1; 133/1

C:Superfamily: Neurospora crassa hypothetical protein 8D4.160

Query Match 7.8%; Score 77; DB 2; Length 263;
 Best Local Similarity 25.4%; Pred. No. 10;
 Matches 34; Conservative 11; Mismatches 45; Indels 44; Gaps 8;
 QY 36 WSCCPSKGQDTS--ELLRW--STVPVPPLEPAPN-RHPESCRASE-----78
 DB 43 WSSSLPVEGSKSKATSVRGAASVEVPKSAKIRARLTNDHCRPPMYTKLRDRMBAG 102
 QY 79 -----DGPL-----NSRAISPMRYE---LDRDLNRLPQDL-----YHARCLCPH-----114
 DB 103 GSGWTRPMDGPOCRGHLYWNSPSYVDRSNANAQQVLGALKRHARCVCPRQLSSL 162
 QY 115 ---CVSLQTSQSHMD 125
 DB 163 DGLCVRCTTGRQTD 176

RESULT 12
 S11776
 hydrogenase (EC 1.18.99.1) (uptake) small chain precursor - Azotobacter chroococcum
 C:Species: Azotobacter chroococcum
 C>Date: 10-Sep-1999 #sequence_revision 10-Sep-1999 #text_change 20-Apr-2000
 C:Accession: S11776
 R:Ford, C.M.; Garg, N.; Tibelius, K.H.; Yates, M.G.; Arp, D.J.; Seefeldt, L.
 Mol. Microbiol. 4, 999-1008, 1990
 A:Title: The identification, characterization, sequencing and mutagenesis of the genes
 A:Reference number: S11776; MUID:91014699; PMID:2215219
 A:Accession: S11776
 A:Molecule type: DNA
 A:Residues: 1-344 <FOR>
 A:Cross-references: UNIPARC:UPI000016E12A; EMBL:X52961; NID:g38713; PID:CAA37133.1; PID
 A:Experimental source: strain MCD1
 C:Genetics:
 A:Gene: hupS
 C:Complex: heterodimer; large and small chain
 C:Function:
 A:Pathway: hydrogen metabolism
 A:Note: contains iron-sulfur and nickel
 C:Superfamily: hydrogenase (NiFe) small chain
 C:Keywords: 3Fe-4S; 4Fe-4S; heterodimer; hydrogen metabolism; iron-sulfur protein; mem
 F:1-34/Domain: signal sequence #status predicted <SIG>
 F:35-344/Product: hydrogenase (uptake) small chain #status predicted <MAT>
 F:51,54,146,180/Binding site: 4Fe-4S cluster (Cys) (covalent) #status predicted
 F:218,221,246,252/Binding site: 4Fe-4S cluster (His, Ser, Cys, Cys) (covalent) (type N3)
 F:261,280,283/Binding site: 3Fe-4S cluster (Cys) (covalent) #status predicted

Query Match 7.8%; Score 77; DB 1; Length 344;
 Best Local Similarity 21.3%; Pred. No. 14;
 Matches 36; Conservative 21; Mismatches 34; Indels 78; Gaps 11;
 QY 36 WSCCPSKGQDTSSELLAWSTVPVPPLEPAPNRRHPESCRASEDGPLNSRAISPMRYELD 95
 DB 143 WGSCL-----SWGCV-----QAAPN-----PTQAVPIHKVITD 171
 QY 96 RDLNRLPQDLHYARCLCPHCVSLOTG-----SHMDPRGNSELY-----HNQTVF 140
 DB 172 KPMIKVPG-----CPPIAEVMTGVITYMLTGTGKLPDLDRQGRPKMFGYQRIHDKS-- 221
 QY 141 YRRPCH-----GEKGTGKGYCLERRLYRVS-----ACVCVR 172
 DB 222 YRRP-HFDAGQFVEHWDDEGARKGYC-----LYKVGCKGPTSYNACSTVR 265

RESULT 13
 S27224
 N-methyl-D-aspartate receptor epsilon-4 chain - mouse
 C:Species: Mus musculus (house mouse)
 C>Date: 25-Feb-1994 #sequence_revision 01-Sep-1995 #text_change 17-Mar-1999
 C:Accession: S27224
 R:Ikeda, K.; Nagaawa, M.; Mori, H.; Araki, K.; Sakimura, K.; Watanabe, M.; Inoue, Y.; M
 FEBS Lett. 313, 34-38, 1992

A:Title: Cloning and expression of the epsilon-4 subunit of the NMDA receptor channel.
 A:Reference number: S27224; MUID:93050214; PMID:1385220
 A:Accession: S27224
 A>Status: preliminary
 A:Molecule type: mRNA
 A:Residues: 1-1323 <IKE>
 A:Cross-references: UNIPARC:UPI0000143827; EMBL:D12822
 C:Superfamily: N-methyl-D-aspartate receptor 2D; glutamate receptor homology
 C:Keywords: transmembrane protein
 F:451-879/Domain: glutamate receptor homology <GRH>

Query Match 7.8%; Score 76.5; DB 2; Length 1323;
 Best Local Similarity 25.5%; Pred. No. 60;
 Matches 35; Conservative 6; Mismatches 41; Indels 55; Gaps 7;
 QY 54 WSTVPVP-----PLEPAR-----PNRHPESCRASEDGPL-----NSRAISPMRYELDRD 97
 DB 1195 WAPPPPPWAAGPPAPRRARCCGPRPHRRPRAAFAAAPHHRRRAAGWDLPPPPAP 1254
 QY 98 LNRLPQDL-----YHARCLCPHCV-----SLQTGSHMDPRGNSELYHNQ 137
 DB 1255 TSSLEDLSSCPRAPRRLTGPSSRHAR-RCPHAAHWGPPPLPTASHRRHRG-----1304
 QY 138 TVFYRRPCHEGKTHKG 154
 DB 1305 -----GDLGTRRG 1312

RESULT 14
 G85064
 hypothetical protein AT4g05150 [imported] - Arabidopsis thaliana
 C:Species: Arabidopsis thaliana (mouse-ear cress)
 C>Date: 16-Feb-2001 #sequence_revision 16-Feb-2001 #text_change 09-Jul-2004
 C:Accession: G85064
 R:anonymous, The European Union Arabidopsis Genome Sequencing Consortium, The Cold Spring
 Nature 402, 769-777, 1999
 A:Title: Sequence and analysis of chromosome 4 of the plant Arabidopsis thaliana.
 A:Reference number: A85001; MUID:20083488; PMID:10617198
 A:Accession: G85064
 A>Status: preliminary
 A:Molecule type: DNA
 A:Residues: 1-446 <STO>
 A:Cross-references: UNIPROT:Q9M0Y0; UNIPARC:UPI000000AB105; GB:NC_001268; NID:g7267274; P
 C:Genetics:
 A:Gene: AT4g05150
 A:Map position: 4

Query Match 7.7%; Score 75.5; DB 2; Length 446;
 Best Local Similarity 22.7%; Pred. No. 24;
 Matches 30; Conservative 21; Mismatches 44; Indels 37; Gaps 6;
 QY 44 GQDTSSELLAWSTVPVPP-----LEPARP-----NRHPESCRASEDGPLNSRAISPMRY 92
 DB 249 GSTSSAPVMRIISTPELPPPVFIKPESEPVPSTPKSNPQBPQVMOQSILPVSQ-----MQY 304
 QY 93 E-----LDRDLNRLPQDLHYARCLCPHCVSLOTGSHMDPRGNSEL-----132
 DB 305 APGPGQOVHVQGTIHSPP--VYVPGSVGNNHVVQGNHVVQPGNNHVVQVQMPGOYLQ 362
 QY 133 LYNNQTVFYRRP 144
 DB 363 QYHHVPMGYHQP 374

RESULT 15
 T14764
 hypothetical protein DKFZp434H204.1 - human (fragment)
 C:Species: Homo sapiens (man)
 C>Date: 20-Sep-1999 #sequence_revision 20-Sep-1999 #text_change 09-Jul-2004
 C:Accession: T14764
 R:Wambutt, R.; Heubner, D.; Mewes, H.W.; Gassenhuber, J.; Wiemann, S.
 submitted to the Protein Sequence Database, August 1999
 A:Reference number: Z18181

```

A>Accession: Tl4764
A>Status: preliminary
A>Molecule type: mRNA
A>Residues: 1-898 <WAM>
A>Cross-references: UNIPROT:Q9UFZ4; UNIPARC:UPI000006DB6; EMBL:AL110236
A>Experimental source: adult testis; clone DKFzp434H204
C>Genetics:
A>Note: DKFzp434H204.1

      7.7%   Score 75.5; DB 2; Length 898;
      Best Local Similarity 24.4%; Pred. No. 50;
      Matches 31; Conservative 9; Mismatches 48; Indels 39; Gaps
      6;

Qy      34  SHWPSCPCPSKGQDTSELLRLRWSTVPVPL--EPAPRNRHPSCSEASDGLNSRAISQWR 91
      |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||
Db      739  SSMRECSEACGGGQORLV---TCPEGLCEEALRPN-----TTRPCWNTHCTQWVGFW- 790
      |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||
Qy      92  YELDRDLNRLPQDLVYHARCLCP-----HCVSLQTGSHMDPRGNSPELLVHNQTQVY 141
      |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||
Db      791  -----CQCSAPCGGVQRRLVKVNTQTGL-----PEEDSDOCGHEAWPES 831
      |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||

Qy      142  RRPCHGE 148
      |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||
Db      832  SRPCGTE 838
      |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||  |||

```

Search completed: July 6, 2006, 08:02:27
Job time : 43 secs

GenCore version 5.1.9
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: July 6, 2006, 07:53:31 ; Search time 298 Seconds
(without alignments)
549.422 Million cell updates/sec

Title: US-10-617-573-6

Perfect score: 985

Sequence: 1 MRERPRLGEDSSLISLFQV.....ERRLYRVSACVCRPRVMG 177

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 2849598 seqs, 925015592 residues

Total number of hits satisfying chosen parameters: 2849598

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 100 summaries

Database :

UniProt_7.2.*

1: uniprot_sprot.*

2: uniprot_trembl.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	985	100.0	177	1	II17E HUMAN
2	898	91.2	161	2	Q2M3F0 HUMAN
3	697	70.8	169	2	Q8VHH8 MOUSE
4	652	66.2	153	2	Q8VHC3 MOUSE
5	170.5	17.3	194	2	Q8K4C5 MOUSE
6	165.5	16.8	197	1	II17C HUMAN
7	165.5	16.8	197	2	Q3MIG8 HUMAN
8	138.5	14.1	212	2	Q5TKT1 BRARE
9	136.5	13.9	169	2	Q7T1P7 CHICK
10	130.5	13.2	169	2	Q5XP68 CHICK
11	127.5	12.9	203	2	Q6DIY0_XENTR
12	126.5	12.8	202	1	II17D HUMAN
13	126.5	12.8	202	2	Q5VUZ7 HUMAN
14	125.5	12.7	180	1	II17B HUMAN
15	125.5	12.7	180	2	Q6IAG3 HUMAN
16	123.5	12.5	180	1	II17B MOUSE
17	122	12.4	153	1	II17F HUMAN
18	122	12.4	163	2	Q6NSIC HUMAN
19	121	12.3	205	2	Q8K4C4 MOUSE
20	120.5	12.2	146	2	Q70I21 ONCORHYNCHU
21	118.5	12.0	153	2	Q8K4C3 MOUSE
22	118.5	12.0	161	2	Q7TN17 MOUSE
23	116.5	11.8	178	1	II17B_MESAU
24	114	11.6	111	2	Q9EQI7 RAT
25	112.5	11.4	167	2	Q5TKT2 BRARE
26	112	11.4	153	2	Q5BJ95 RAT
27	111	11.3	162	2	Q5TKT0 BRARE
28	107	10.9	162	2	Q44146_CAEEL
29	105.5	10.7	155	1	II17 HUMAN
30	105.5	10.7	155	2	Q5T2P0 HUMAN
31	105	10.7	140	2	Q5TKT3 BRARE

32	104	10.6	162	2	Q4RTP8_TETNG	Q4RTP8 tetraodon n
33	103.5	10.5	155	2	Q6NZ94_HUMAN	Q6NZ94 homo sapien
34	102.5	10.4	206	2	Q70I20_ONCMY	Q70I20 oncorhynchu
35	100.5	10.2	153	1	II17_BOVIN	Q687Y7 bos taurus
36	99	10.1	186	2	Q6LSM4_CIOIN	Q6LSM4 clona intes
37	98.5	10.0	153	2	Q5TKT4_BRARE	Q5TKT4 brachydanio
38	96.5	9.8	171	2	Q6LSM6_CIOIN	Q6LSM6 clona intes
39	94.5	9.6	153	1	II17_PIG	Q60I29 sus scrofa
40	93.5	9.5	151	1	II17_SHV21	P249I6 saimirine
41	93.5	9.5	563	2	Q3RT09_RALME	Q3RT09 ralistonia m
42	91	9.2	150	1	II17_RAT	Q6I453 rattus norv
43	91	9.2	158	1	II17_MOUSE	Q62386 mus musculu
44	91	9.2	158	2	Q54E6_MOUSE	Q54E6 mus musculu
45	90.5	9.2	151	1	II17_SHV2C	Q40633 saimirine
46	90.5	9.2	151	2	Q778B0_9GAMA	Q778B0 saimirine
47	88.5	9.0	422	1	2P3_MESAU	P23491 mesoacricetu
48	88.5	9.0	2197	2	Q6I8V1_CAEER	Q6I8V1 caenorhabdi
49	87	8.8	499	2	Q9GZ34_TRYCR	Q9GZ34 trypanosoma
50	86.5	8.8	1238	2	Q5CUC4_CRYPO	Q5CUC4 cryptospori
51	84.5	8.6	1238	2	Q5CMV9_CRYHO	Q5CMV9 cryptospori
52	84	8.5	311	2	Q7TIP3_HV1	Q7TIP3 human herpe
53	83	8.4	222	2	Q629D1_CAEER	Q629D1 caenorhabdi
54	83	8.4	477	2	Q9BU21_HUMAN	Q9BU21 homo sapien
55	83	8.4	520	2	Q5T5R6_HUMAN	Q5T5R6 homo sapien
56	83	8.4	547	2	Q9M6E9_ABRPR	Q9M6E9 abrus preca
57	83	8.4	1323	1	NMDE4_RAT	Q62645 rattus norv
58	82.5	8.4	82	2	Q5U4M4_XENLA	Q5U4M4 xenopus lee
59	82.5	8.4	575	2	Q4S208_TETNG	Q4S208 tetraodon n
60	82	8.3	196	2	Q2VYI1_MAGSA	Q2VYI1 magnecospir
61	82	8.3	424	2	Q37S30_SPHAR	Q37S30 novosphingo
62	82	8.3	499	2	Q4E5Q4_TRYCR	Q4E5Q4 trypanosoma
63	81.5	8.3	467	1	M3K8_RAT	Q63562 rattus norv
64	81.5	8.3	1085	2	Q4S5A3_TETNG	Q4S5A3 tetraodon n
65	81	8.2	722	2	Q4I726_GIBZE	Q4I726 gibberella
66	81	8.2	1577	2	Q3VS89_DROME	Q3VS89 drosophila
67	80.5	8.2	379	2	Q9NKZ8_EPTBU	Q9NKZ8 eptatretus
68	80.5	8.2	1751	2	Q4SKI8_TETNG	Q4SKI8 tetraodon n
69	80	8.1	358	2	Q9P9I4_HALMA	Q9P9I4 haloarcula
70	80	8.1	358	2	Q5V2V5_HALMA	Q5V2V5 haloarcula
71	80	8.1	387	2	Q6ZUL2_HUMAN	Q6ZUL2 homo sapien
72	80	8.1	731	2	Q4W8X6_ASPFU	Q4W8X6 aspergillus
73	79.5	8.1	171	2	Q6LSM5_CIOIN	Q6LSM5 clona intes
74	79.5	8.1	480	2	Q4R8F0_MACFA	Q4R8F0 macaca fasc
75	79.5	8.1	978	2	Q6ZPI9_MOUSE	Q6ZPI9 mus musculu
76	79.5	8.1	1146	2	Q5B1H7_BMENI	Q5B1H7 aspergillus
77	79	8.0	262	2	Q7Y0V1_9FABA	Q7Y0V1 abrus pulch
78	79	8.0	701	2	Q7U657_SYNFX	Q7U657 synechococc
79	79	8.0	862	1	MUCDL_RAT	Q9JIK1 rattus norv
80	79	8.0	862	2	Q4FZY9_RAT	Q4FZY9 rattus norv
81	79	8.0	1122	2	Q4T8A6_TETNG	Q4T8A6 tetraodon n
82	78.5	8.0	174	2	Q8RVH7_9ROSI	Q8RVH7 populus tre
83	78.5	8.0	206	2	Q22687_CAEEL	Q22687 caenorhabdi
84	78.5	8.0	886	2	Q4DFN1_TRYCR	Q4DFN1 trypanosoma
85	78.5	8.0	887	2	Q4DGN1_TRYCR	Q4DGN1 trypanosoma
86	78.5	8.0	1731	2	Q4S0D3_TETNG	Q4S0D3 tetraodon n
87	78.5	8.0	2539	2	Q4RMS9_TETNG	Q4RMS9 tetraodon n
88	78	7.9	210	2	Q8AJZ3_9HIVI	Q8AJZ3 human immun
89	78	7.9	358	1	MBHS_AZQVI	P1950 azotobacter
90	78	7.9	358	2	Q4IUF9_AZOVI	Q4IUF9 azotobacter
91	78	7.9	459	1	CLC14_MOUSE	Q8VC9P mus musculu
92	78	7.9	459	2	Q3TP72_MOUSE	Q3TP72 m 13 days e
93	78	7.9	1501	2	Q8CIO9_MOUSE	Q8CIO9 mus musculu
94	78	7.9	1521	2	Q3TDN0_MOUSE	Q3TDN0 mus musculu
95	78	7.9	1521	2	Q3UUL8_MOUSE	Q3UUL8 mus musculu
96	78	7.9	1521	2	Q8OZZ8_MOUSE	Q8OZZ8 mus musculu
97	78	7.9	1521	2	Q8CGS3_MOUSE	Q8CGS3 mus musculu
98	78	7.9	1521	2	Q8CIP6_MOUSE	Q8CIP6 mus musculu
99	77.5	7.9	496	2	Q3SDA3_PARTE	Q3SDA3 paramecium
100	77.5	7.9	727	2	Q7UYN5_RHOBA	Q7UYN5 rhodopirell

ALIGNMENTS

RESULT 1
 IL17E HUMAN STANDARD; PRT; 177 AA.
 AC Q9H293; Q8IW3; Q8WXB0;
 DT 31-JAN-2002, integrated into UniProtKB/Swiss-Prot.
 DT 01-MAR-2001, sequence version 1.
 DT 07-FEB-2006, entry version 36.
 DE Interleukin-17 precursor (IL-17E) (Interleukin-25) (IL-25).
 GN Name=IL17E; Synonyms=IL25; ORFNames=UNQ3120/PRO10272;
 OS Homo sapiens (Human).
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 OC Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
 OC Homo.
 OX NCBI_TaxID=9606;
 RN [1]
 RP NUCLEOTIDE SEQUENCE [MRNA] (ISOFORM 1).
 RP PubMed=11058597; DOI=10.1074/jbc.M008289200;
 RA Lee J., Ho W.-H., Maruoka M., Corpuz R.T., Baldwin D.T., Foster J.S.,
 RA Goddard A.D., Yansura D.G., Vandlen R.L., Wood W.I., Gurney A.L.;
 RT "IL-17E, a novel proinflammatory ligand for the IL-17 receptor homolog
 RT IL-17Rhl.";
 RL J. Biol. Chem. 276:1660-1664(2001).
 RN [2]
 RP NUCLEOTIDE SEQUENCE [MRNA] (ISOFORM 2).
 RP MEDLINE=21629216; PubMed=11754819; DOI=10.1016/S1074-7613(01)00243-6;
 RA Fort M.M., Cheung J., Yen D., Li J., Zurawski S.M., Lo S., Menon S.,
 RA Clifford T., Hunte B., Lesley R., Muchamuel T., Hurest S.D.,
 RA Zurawski G., Leach M.W., Gorman D.M., Rennick D.M.;
 RT "IL-25 induces IL-4, IL-5, and IL-13 and Th2-associated pathologies in
 RT vivo.";
 RL Immunity 15:985-995(2001).
 RN [3]
 RP NUCLEOTIDE SEQUENCE [MRNA] (ISOFORM 2).
 RP TISSUE=Testis;
 RP MEDLINE=22243143; PubMed=12239140; DOI=10.1182/blood-2002-01-0012;
 RA Kim M.R., Manoukian R., Yeh R., Silbiger S.M., Danilenko D.M.,
 RA Scully S., Sun J., DeRose M.L., Stolina M., Chang D., Van G.Y.,
 RA Clarkin K., Nguyen H.Q., Yu Y.B., Jing S., Senaldi G., Elliott G.,
 RA Medlock E.S.;
 RT "Transgenic overexpression of human IL-17E results in eosinophilia, B-
 RT lymphocyte hyperplasia, and altered antibody production.";
 RL Blood 100:2330-2340(2002).
 RN [4]
 RP NUCLEOTIDE SEQUENCE [LARGE SCALE MRNA] (ISOFORM 1).
 RP MEDLINE=22887296; PubMed=12975309; DOI=10.1101/gr.1293003;
 RA Clark H.F., Gurney A.L., Abaya E., Baker K., Baldwin D.T., Brush J.,
 RA Chen J., Chow B., Chui C., Crowley C., Currell B., Deuel B., Dowd P.,
 RA Eaton D., Foster J.S., Grimaldi C., Gu Q., Hass P.E., Heldens S.,
 RA Huang A., Kim H.S., Klimowski L., Jin Y., Johnson S., Lee J.,
 RA Lewis L., Liao D., Mark M.R., Robbie E., Sanchez C., Schoenfeld J.,
 RA Seshagiri S., Simmons L., Singh J., Smith V., Stinson J., Vagts A.,
 RA Vandlen R.L., Watanabe C., Wiedand D., Woods K., Xie M.-H.,
 RA Yansura D.G., Yi S., Yu G., Yuan J., Zhang M., Zhang Z., Goddard A.D.,
 RA Wood W.I., Godowski P.J., Gray A.M.;
 RT "The secreted protein discovery initiative (SPDI), a large-scale
 RT effort to identify novel human secreted and transmembrane proteins: a
 RT bioinformatics assessment.";
 RL Genome Res. 13:2265-2270(2003).
 RN [5]
 RP NUCLEOTIDE SEQUENCE [LARGE SCALE MRNA] (ISOFORM 1).
 RP MEDLINE=22389257; PubMed=12477932; DOI=10.1073/pnas.242603899;
 RA Klausner R.L., Feingold E.A., Grouse L.H., Derge J.G.,
 RA Strausberg R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
 RA Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
 RA Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
 RA Diatchenko L., Marusina K., Farmer A., Rubin G.M., Hong L.,
 RA Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
 RA Brownstein M.J., Ustin T.B., Toshiyuki S., Carninci P., Prange C.,
 RA Rana S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullany S.J.,
 RA Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
 RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
 RA Villalón D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,

RA Fahey J., Helton E., Kettelman M., Madan A., Rodriguez S., Sanchez A.,
 RA Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
 RA Blakeley R.W., Touchman J.W., Green E.D., Dickson M.C.,
 RA Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M.,
 RA Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smalilus D.E.,
 RA Schnerch A., Schein J.E., Jones S.J.M., Marra M.A.;
 RT "Generation and initial analysis of more than 15,000 full-length human
 RT and mouse cDNA sequences.";
 RL Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
 RN [6]
 RP PROTEIN SEQUENCE OF 33-47.
 RP PubMed=15340161; DOI=10.1110/ps.04682504;
 RA Zhang Z., Henzel W.J.;
 RT "Signal peptide prediction based on analysis of experimentally
 RT verified cleavage sites.";
 RL Protein Sci. 13:2819-2824(2004).
 CC -I- FUNCTION: Induces activation of NF-kappa-B and stimulates
 CC production of the proinflammatory chemokine IL-8. Proinflammatory
 CC cytokine favoring Th2-type immune responses.
 CC -I- SUBCELLULAR LOCATION: Secreted protein.
 CC -I- ALTERNATIVE PRODUCTS:
 CC Event=Alternative splicing; Named isoforms=2;
 CC Name=1;
 CC IsoId=Q9H293-1; Sequence=Displayed;
 CC Name=2;
 CC IsoId=Q9H293-2; Sequence=VSP_010159;
 CC -I- TISSUE SPECIFICITY: Expressed at low levels in several tissues,
 CC including brain, kidney, lung, prostate, testis, spinal cord,
 CC adrenal gland, and trachea.
 CC -I- SIMILARITY: Belongs to the IL-17 family.
 CC -----
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 CC -----
 DR EMBL: AF305200; AAG40848.1; -; mRNA.
 DR EMBL: AF458059; AAL57622.1; -; mRNA.
 DR EMBL: AF461739; AAN39038.1; -; mRNA.
 DR EMBL: AX359127; AAQ89484.1; -; mRNA.
 DR EMBL: BC069565; AAH69565.1; -; mRNA.
 DR HSSP: Q96PD4; 1JPY.
 DR Ensembl: ENSG00000166090; Homo sapiens.
 DR HGNC: HGNC:13765; IL17E.
 DR MIM: 605658; gene.
 DR GO: CO:0016020; C-membrane; NAS.
 DR GO: GO:0030380; F:interleukin-17E receptor binding; TAS.
 DR InterPro: IPR010345; IL17.
 DR Pfam: PF06083; IL17; 1.
 KW Alternative splicing; Cytokine; Direct protein sequencing;
 KW Glycoprotein; Signal.
 FT SIGNAL 1 32
 FT CHAIN 33 177 Interleukin-17E.
 FT /FTID=PRO_0000015431.
 FT CARBOHYD 136 136 N-linked (GlcNAc...) (Potential).
 FT DISULFID 110 168 By similarity.
 FT DISULFID 115 170 By similarity.
 FT VARSPLIC 1 18 MRERPLRGDSSLSLFL -> MY (in isoform 2).
 FT /FTID=VSP_010159.
 FT CONFLICT 177 177 G -> A (in Ref. 2).
 FT SEQUENCE 177 AA; 20330 MW; 52D895710CD59871 CRC64;
 SQ
 Query Match 100.0%; Score 985; DB 1; Length 177;
 Best Local Similarity 100.0%; Pred. No. 3,5e-82;
 Matches 177; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 MRERPLRGDSSLSLFLQVAFPLAMVMGTHYSHWPCSCPKGQDTSELLRWSTVPVP 60
 DB 1 MRERPLRGDSSLSLFLQVAFPLAMVMGTHYSHWPCSCPKGQDTSELLRWSTVPVP 60
 QY 61 PLEPAPNRPHPSCRASEDPNLSRAISPWRYELDRDLNRLPDLYHARCLCPHCVSLOT 120
 DB 61 PLEPAPNRPHPSCRASEDPNLSRAISPWRYELDRDLNRLPDLYHARCLCPHCVSLOT 120
 QY 121 GSHMDPRGNSELLYHNQTVFYRRPCHGKGTGKCYCLRRLYRVSLACVCRPRVMG 177

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Db 121 GSHMDPRGNSSELYHNQTVFYRRPCHGKGTGKGYCLRLRYVSLACVVRPMVG 177
RESULT 2
Q2M3F0_HUMAN PRELIMINARY; PRT; 161 AA.
AC Q2M3F0;
DT 21-FEB-2006, integrated into UniProtKB/TrEMBL.
DT 21-FEB-2006, sequence version 1.
DE Interleukin 17E, isoform 2.
GN Name=IL17E;
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
OC Homo.
OX NCBI_TaxID=9606;
RN [1]
RP NUCLEOTIDE SEQUENCE.
RC MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
RA Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
RA Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
RA Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
RA Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Heieh F.,
RA Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
RA Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
RA Raha S.S., Loquellano N.A., Peters G.J., Carninci P., Prange C.,
RA Bosak S.A., McEwan P.J., McKernan K.J., Abramson R.D., Mullahy S.J.,
RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
RA Fahey J., Helton E., Kettman M., Madan A., Rodriguez S., Sanchez A.,
RA Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
RA Blakesley R.W., Touchman J.W., Green E.D., Dickinson M.C.,
RA Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M.,
RA Butterfield Y.S.N., Krywinski M.I., Skalska U., Smalls D.E.,
RA Schnerch A., Schein J.E., Jones S.J.M., Marra M.A.;
RT "Generation and initial analysis of more than 15,000 full-length human
RT and mouse cDNA sequences."
RL Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
RN [2]
RP NUCLEOTIDE SEQUENCE.
RC TISSUE=Pooled;
RG NIH MGC Project;
RL Submitted (SEP-2005) to the EMBL/GenBank/DBJ databases.
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CC -----
DR EMBL; BC104931; AA104932.1; -; mRNA.
DR EMBL; BC104929; AA104930.1; -; mRNA.
SQ SEQUENCE 161 AA; 18523 MW; 37685913FCF8151D CRC64;

Query Match 91.2%; Score 898; DB 2; Length 161;
Best Local Similarity 100.0%; Pred. No. 3e-74;
Matches 159; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 19 QVAFPLAMVMTHTYSHWPPSCPSKQDTSBELLRWSTVPVPPLEARNHPSCRASE 78
Db 3 QVAFPLAMVMTHTYSHWPPSCPSKQDTSBELLRWSTVPVPPLEARNHPSCRASE 62

Qy 79 DGPLNSRAISPMRYELDRDLNRLPDLYHARCLCPHCVSLOTGSHMDPRGNSSELYHNQ 138
Db 63 DGPLNSRAISPMRYELDRDLNRLPDLYHARCLCPHCVSLOTGSHMDPRGNSSELYHNQ 122

Qy 139 VFYRRPCHGKGTGKGYCLRLRYVSLACVVRPMVG 177
Db 123 VFYRRPCHGKGTGKGYCLRLRYVSLACVVRPMVG 161
RESULT 3

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```

Q8VHH8_MOUSE PRELIMINARY; PRT; 169 AA.
AC Q8VHH8;
DT 01-MAR-2002, integrated into UniProtKB/TrEMBL.
DT 01-MAR-2002, sequence version 1.
DE 07-FEB-2006, entry version 14.
DE IL25.
GN Name=IL17e;
OS Mus musculus (Mouse).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia; Sciurognathi;
OC Muridae; Muridae; Murinae; Mus.
OX NCBI_TaxID=10090;
RN [1]
RP NUCLEOTIDE SEQUENCE.
RC STRAIN=C57BL/6;
RX MEDLINE=21629216; PubMed=11754819; DOI=10.1016/S1074-7613(01)00243-6;
RA Fort M.M., Cheung J., Yen D., Li J., Zurawski S.M., Lo S., Menon S.,
RA Clifford T., Hunte B., Lesley R., Muchamuel T., Hurst S.D.,
RA Zurawski G., Leach M.W., Gorman D.M., Rennick D.M.;
RT "IL-25 induces IL-4, IL-5, and IL-13 and Th2-associated pathologies in
RT vivo."
RL Immunity 15:985-995(2001).
RN [2]
RP NUCLEOTIDE SEQUENCE.
RC STRAIN=C57BL/6;
RA Hurst S.D., Muchamuel T., Gorman D.M., Gilbert J.M., Clifford T.,
RA Kwan S., Menon S., Seymour B., Jackson C., Kung T., Brieland J.,
RA Zurawski S.M., Chapman R., Zurawski G., Coffman R.L.;
RL Submitted (DEC-2001) to the EMBL/GenBank/DBJ databases.
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CC -----
DR EMBL; AF458060; AAL57623.1; -; mRNA.
DR HSP; Q96PD4; JGYP.
DR Ensembl; ENSMUSG0000040770; Mus musculus.
DR MGI; MGI:2155888; IL17e.
DR GO; GO:0005615; C:extracellular space; RCA.
DR GO; GO:0005125; P:cytokine activity; IDA.
DR GO; GO:0030222; P:eosinophil differentiation; IDA.
DR GO; GO:0006954; P:inflammatory response; IMP.
DR GO; GO:0006954; P:inflammatory response; IDA.
DR GO; GO:0009624; P:response to nematode; IDA.
DR GO; GO:0009621; P:response to pathogenic fungi; IDA.
DR InterPro; IPR010345; IL17.
DR Pfam; PF06083; IL17; I.
SQ SEQUENCE 169 AA; 19210 MW; CFA2D2CEDE452C94D CRC64;

Query Match 70.8%; Score 697; DB 2; Length 169;
Best Local Similarity 76.5%; Pred. No. 8.5e-56;
Matches 127; Conservative 9; Mismatches 22; Indels 8; Gaps 1;

Qy 19 QVAFPLAMVMTHTY-----SHWPPSCPSKQDTSBELLRWSTVPVPPLEARNRH 70
Db 3 QVAFPLAMVMTHTVSLRIQEGCSHLPCSCPSKEQEPPEWLKWSASVSPPELSHTH 62

Qy 71 PESCRASEDGPINSRAISPMRYELDRDLNRLPDLYHARCLCPHCVSLOTGSHMDPRGNS 130
Db 63 AESCRASKDGPINSRAISPMRYELDRDLNRLPDLYHARCLCPHCVSLOTGSHMDPLGNS 122

Qy 131 ELLYHNQTVFYRRPCHGKGTGKGYCLRLRYVSLACVVRPMV 176
Db 123 VPLYHNQTVFYRRPCHGEGTHRRYCLRLRYVSLACVVRPMV 168

RESULT 4
Q8VHC9_MOUSE PRELIMINARY; PRT; 153 AA.
AC Q8VHC9;
DT 01-MAR-2002, integrated into UniProtKB/TrEMBL.
DT 01-MAR-2002, sequence version 1.
DE 07-FEB-2006, entry version 15.

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DE Interleukin 17E (Fragment).
GN Mus musculus (Mouse).
OS Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia; Sciurognathi;
OC Muridea; Muridae; Murinae; Mus.
OX NCBI_TaxID=10090;
RN [1]
RP NUCLEOTIDE SEQUENCE.
RX MEDLINE=21571724; PubMed=11714825;
RA Pan G., French D., Mao W., Maruoka M., Risser P., Lee J., Foster J.,
RA Aggarwal S., Nicholes K., Guillet S., Schow P., Gurney A.L.;
RT "Forced expression of murine IL-17E induces growth retardation,
RT jaundice, a Th2-biased response, and multiorgan inflammation in
RT mice.";
RL J. Immunol. 167:6559-6567(2001). Dec.
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CC -----
CC EMBL; AY034088; AAK59816.1; -; mRNA.
DR HSSP; Q96PD4; IJPY.
DR Ensembl; ENSMUSG0000040770; Mus musculus.
DR MGI; MGI:2155888; IL17e.
DR GO; GO:0005615; C:extracellular space; RCA.
DR GO; GO:0005325; F:Cytokine activity; IDA.
DR GO; GO:0030222; P:eosinophil differentiation; IDA.
DR GO; GO:0069594; P:inflammatory response; IDA.
DR GO; GO:0006954; P:inflammatory response; IMP.
DR GO; GO:0009624; P:response to nematode; IDA.
DR GO; GO:0009621; P:response to pathogenic fungi; IDA.
DR InterPro; IPR010345; IL17.
DR Pfam; PF06083; IL17; 1.
FT CHAIN <1 153 interleukin 17E.
FT NON TER 1
SQ SEQUENCE 153 AA; 17456 MW; A0EE897842B6EB39 CRC64;

Query Match 66.2%; Score 652; DB 2; Length 153;
Best Local Similarity 81.1%; Pred. No. 1e-51;
Matches 116; Conservative 7; Mismatches 20; Indels 0; Gaps 0;

QY 34 SHWPCSCPSGQDTSELLRWSTVPPPLPAPRNHPESCRASEDGPLNSRAISPWRYE 93
Db 10 SHLPSCPSKEQEPPEEWLKWSSASVPPPLSHTHAESCRASKOGLNSRAISPSWYE 69
QY 94 LDRDLNRLPDLYHARCLCHPCVSLQTSQSHMDPRGNSSELYHNQTVFYRPPCHGEKTHK 153
Db 70 LDRDLNRPVQDLYHARCLCHPCVSLQTSQSHMDPLGNSVPLYNQTVFYRPPCHGEKTHR 129

QY 154 GYCLERLYRVSLACVCRPRVM 176
Db 130 HYCLERLYRVSLACVCRPRVM 152

RESULT 5
Q8K4C5_MOUSE PRELIMINARY; PRT; 194 AA.
AC Q8K4C5;
DT 01-OCT-2002, integrated into UniProtKB/TrEMBL.
DT 01-OCT-2002, sequence version 1.
DT 07-FEB-2006, entry version 11.
DE IL-17C.
GN Name=IL17c;
OS Mus musculus (Mouse).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia; Sciurognathi;
OC Muridea; Muridae; Murinae; Mus.
OX NCBI_TaxID=10090;
RN [1]
RP NUCLEOTIDE SEQUENCE.
RX MEDLINE=22072219; PubMed=12077275;
RA Hurst S.D., Muchamuel T., Gorman D.M., Gilbert J.M., Clifford T.,
RA Kwan S., Menon S., Seymour B., Jackson C., Kung T.T., Brieland J.K.,
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RA Zurawski S.M., Chapman R.W., Zurawski G., Coffman R.L.;
RT "New IL-17 family members promote Th1 or Th2 responses in the lung: in
RT vivo function of the novel cytokine IL-25.";
RL J. Immunol. 169:443-453(2002).
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CC -----
CC EMBL; AF458061; AAM77565.1; -; mRNA.
DR HSSP; Q96PD4; IJPY.
DR Ensembl; ENSMUSG0000046108; Mus musculus.
DR MGI; MGI:2446486; IL17c.
DR GO; GO:0005125; F:Cytokine activity; IDA.
DR GO; GO:0030223; P:neutrophil differentiation; IDA.
DR InterPro; IPR010345; IL17.
DR Pfam; PF06083; IL17; 1.
SQ SEQUENCE 194 AA; 21592 MW; 95797A630574BD1E CRC64;

Query Match 17.3%; Score 170.5; DB 2; Length 194;
Best Local Similarity 31.2%; Pred. No. 1.9e-07;
Matches 45; Conservative 14; Mismatches 58; Indels 27; Gaps 5;

QY 53 RW-STVPVPPLEPAPRNHPESCRASEDGPL-----NSRAISPWRYE 93
Db 53 RWEQALPVALVASLEATGH---RRQHEGLAGTQCPVLRPPEVLEADTHERSISPWRYR 108
QY 94 LDRDLNRLPDLYHARCLCHPCVSLQTSQSHMDPRGNSSELYHNQTVFYRPPCHGE---KG 150
Db 109 IDTDENRYPQKLAVAECLRCGCINAKTGRETAAAL-NSVQLLOSLVLRQPCSRDGTADP 167
QY 151 THKGYCLERLYRVSLACVCRPR 174
Db 168 TPGSFAPHTFEFRVPVGCCTCVLPR 191

RESULT 6
IL17C_HUMAN
ID IL17C_HUMAN STANDARD; PRT; 197 AA.
AC Q9P0M4; Q9HC75;
DT 31-JAN-2002, integrated into UniProtKB/Swiss-Prot.
DT 01-OCT-2000, sequence version 1.
DT 07-FEB-2006, entry version 35.
DE Interleukin-17C precursor (IL-17C) (Cytokine CX2).
GN Name=IL17C; ORFNames=UNQ561/PRO1122;
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
OC Homo.
OX NCBI_TaxID=9606;
RN [1]
RP NUCLEOTIDE SEQUENCE [MRNA].
RX MEDLINE=20105548; PubMed=10639155; DOI=10.1073/pnas.97.2.773;
RA Li H., Chen J., Huang A., Stinson J., Heldens S., Foster J., Dowd P.,
RA Gurney A.L., Wood W.I.;
RT "Cloning and characterization of IL-17B and IL-17C, two new members of
RT the IL-17 cytokine family.";
RL Proc. Natl. Acad. Sci. U.S.A. 97:773-778(2000).
RN [2]
RP NUCLEOTIDE SEQUENCE [MRNA].
RX Zhang W., He L., Wan T., Yuan Z., Cao X.;
RT "Novel human cytokine CX2 with homology to IL-17.";
RL Submitted (APR-1999) to the EMBL/GenBank/DBJ databases.
RN [3]
RP NUCLEOTIDE SEQUENCE [LARGE SCALE MRNA].
RX MEDLINE=22887296; PubMed=12975309; DOI=10.1101/gr.1293003;
RA Clark H.F., Gurney A.L., Abaya E., Baker K., Baldwin D.T., Brush J.,
RA Chen J., Chow B., Chui C., Crowley C., Currell B., Deuel B., Dowd P.,
RA Eaton D., Foster J.S., Grimaldi C., Gu Q., Hass P.E., Heldens S.,
RA Huang A., Kim H.S., Klimowski L., Jin Y., Johnson S., Lee J.,
RA Lewis L., Liao D., Mark M.R., Robbie E., Sanchez C., Schoenfeld J.,
RA Seshagiri S., Simmons L., Singh J., Smith V., Stinson J., Vages A.,
RA Vandlen R.L., Watanabe C., Wieand D., Woods K., Xie M.-H.,
RA Yansura D.G., Yi S., Yu G., Yuan J., Zhang M., Zhang Z., Goddard A.D.,
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RA Wood W.I., Godowski P.J., Gray A.M.;
RT "The secreted protein discovery initiative (SPDI), a large-scale
RT effort to identify novel human secreted and transmembrane proteins: a
RT bioinformatics assessment";
RL Genome Res. 13:2265-2270(2003).
RN [4]
RP NUCLEOTIDE SEQUENCE [LARGE SCALE MRNA].
RX MEDLINE=2238257; PubMed=12477932; DOI=10.1073/pnas.242603899;
RA Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
RA Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
RA Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
RA Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
RA Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
RA Scapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
RA Brownstein M.J., Udén T.B., Toshiyuki S., Carninci P., Prange C.,
RA Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
RA Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA Villalón D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
RA Blakesley R.W., Touchman J.W., Green E.D., Dickinson M.C.,
RA Buterfield Y.S.N., Krzywinski M.I., Skalska U., Smallos D.E.,
RA Schnurch A., Schein J.E., Jones S.J.M., Marra M.A.,
RA "Generation and initial analysis of more than 15,000 full-length human
RT and mouse cDNA sequences";
RL Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
CC -1- FUNCTION: Stimulates the release of tumor necrosis factor alpha
CC and IL-1beta from the monocytic cell line THP-1.
CC -1- SUBCELLULAR LOCATION: Secreted protein.
CC -1- SIMILARITY: Belongs to the IL-17 family.
CC
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CC
DR ENBL; AF152099; AAF28105.1; -; mRNA.
DR ENBL; AF142410; AAG27921.1; -; mRNA.
DR ENBL; AY358471; AAO88835.1; -; mRNA.
DR ENBL; BC069152; AAH69152.1; -; mRNA.
DR HSP; Q98PD4; IUPY.
DR Ensembl; ENSG00000124391; Homo sapiens.
DR HGNC; HGNC:5983; IL17C.
DR MIM; 604628; Gene.
DR GO; GO:0005615; C:extracellular space; TAS.
DR GO; GO:0005625; C:soluble fraction; TAS.
DR GO; GO:0005125; F:cytokine activity; TAS.
DR GO; GO:0007166; P:cell surface receptor linked signal transdu. .; TAS.
DR GO; GO:0007267; P:cell-cell signaling; TAS.
DR GO; GO:0006954; P:inflammatory response; TAS.
DR InterPro; IPR010345; IL17.
DR Pfam; PF06083; IL17; 1.
KW Cytokine; Signal.
FT SIGNAL 1 18 Potential.
FT CHAIN 19 197 Interleukin-17C.
FT /FTID=PRO_0000015429.
FT By similarity.
FT DISULFID 129 189 By similarity.
FT DISULFID 134 191 By similarity.
FT CONFLICT 50 50 H -> R (in Ref. 2).
SQ SEQUENCE 197 AA; 21765 MW; BAE0152E18DE7D08 CRC64;

Query Match 16.8%; Score 165.5; DB 1; Length 197;
Best Local Similarity 29.7%; Pred. No. 5.6e-07;
Matches 52; Conservative 16; Mismatches 70; Indels 37; Gaps 7;

Qy 31 HTVSHWSPCCPSKQDTSBEL-----LRW-STVP---VPPLEPARNRHPS 73
Db 27 HPHSHGTPHCYS-----ABELPLGQAPPHLLARGAKWGQALPVALVSSLEAASHRGHER 81

Qy 74 CRASEDGPL-----NSRAISPMRYELDLNRLPDLYHARCLCPHCVSLOTGS 122
Db 82 PSATTQCFLVRBEVLADTHQRSISPMRYVDTDEDRYPQKLAFACLCRCGICDARTGR 141

Qy 123 HMDPRGNSELYHNQTVFYRRPCHGEGK----THKGYCLERRLYRVSLACVCRPR 174
Db 142 ETAAL-NSVRLQLSLVLRPPCRSDGSLPTGCAFAFHTFTHVPGCTCVLPR 195

RESULT 7
Q3MIG8 HUMAN PRELIMINARY; PRT; 197 AA.
AC Q3MIG8;
DT 25-OCT-2005, integrated into UniProtKB/TrEMBL.
DT 25-OCT-2005, sequence version 1.
DT 21-FEB-2006, entry version 5.
DE Interleukin 17C.
GN Name=IL17C;
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
OC Homo.
OX NCBI_TaxID=9606;
RN [1]
RP NUCLEOTIDE SEQUENCE
RC TISSUE=Lung and placenta;
RX MEDLINE=2238257; PubMed=12477932; DOI=10.1073/pnas.242603899;
RA Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
RA Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
RA Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
RA Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
RA Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
RA Scapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
RA Brownstein M.J., Udén T.B., Toshiyuki S., Carninci P., Prange C.,
RA Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
RA Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA Villalón D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
RA Blakesley R.W., Touchman J.W., Green E.D., Dickinson M.C.,
RA Buterfield Y.S.N., Krzywinski M.I., Skalska U., Smallos D.E.,
RA Schnurch A., Schein J.E., Jones S.J.M., Marra M.A.,
RA "Generation and initial analysis of more than 15,000 full-length human
RT and mouse cDNA sequences";
RL Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
RN [2]
RP NUCLEOTIDE SEQUENCE
RC TISSUE=Lung and placenta;
RG NIH MGC Project;
RL Submitted (AUG-2005) to the EMBL/GenBank/DBJ databases.
RN [3]
RP NUCLEOTIDE SEQUENCE
RC TISSUE=Lung and placenta;
RG NIH MGC Project;
RL Submitted (JAN-2006) to the EMBL/GenBank/DBJ databases.
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CC
CC ENBL; BC101835; AA101836.1; -; mRNA.
DR ENBL; BC112196; AA112197.1; -; mRNA.
DR GO; GO:0005576; C:extracellular region; IEA.
DR GO; GO:0005125; F:cytokine activity; IEA.
DR GO; GO:0006954; P:inflammatory response; IEA.
DR InterPro; IPR010345; IL17.
DR Pfam; PF06083; IL17; 1.
SQ SEQUENCE 197 AA; 21765 MW; BAE0152E18DE7D08 CRC64;

Query Match 16.8%; Score 165.5; DB 2; Length 197;
Best Local Similarity 29.7%; Pred. No. 5.6e-07;
Matches 52; Conservative 16; Mismatches 70; Indels 37; Gaps 7;

Qy 31 HTVSHWSPCCPSKQDTSBEL-----LRW-STVP---VPPLEPARNRHPS 73
Db 27 HPHSHGTPHCYS-----ABELPLGQAPPHLLARGAKWGQALPVALVSSLEAASHRGHER 81

```
QY 74 CRASEDGPL-----NSRAISPMRYELDRDLNRLPQDLYHARCLCPHCVSLOTGS 122
DB 82 PSATTQCFLVRPEBLEADTHORSISPMRYRVDTDREYPOKLAFAECLRCGCIDARTGR 141
QY 123 HMDPRGNSELYHNQTVFYRPPCHGEGK---THKGVCLERRLYRVSILACVCVRPR 174
DB 142 ETAAL-NSVRLLQSLVLRRRPCSRDGSGLPTGCAFAHTEFIHVPVGCTCVLPR 195

RESULT 8
QSTKT1_BRARE
ID QSTKT1_BRARE PRELIMINARY; PRT; 212 AA.
AC QSTKT1;
DT 21-DEC-2004, integrated into UniProtKB/TrEMBL.
DT 21-DEC-2004, sequence version 1.
DT 07-FEB-2006, entry version 5.
DE Interleukin 17_4.
GN Names=IL-17_4;
OS Brachydanio rerio (Zebrafish) (Danio rerio).
OC Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
OC Actinopterygii; Neopterygii; Teleostei; Ostariophysi; Cypriniformes;
OC Cyprinidae; Danio.
OX NCBI_TaxID=7955;
RN [1];
RP NUCLEOTIDE SEQUENCE.
RA Irenbam G.D., Ram S., Sakai M.;
RT "Cloning and analysis of IL-17 genes in zebrafish.";
RL Submitted (NOV-2004) to the EMBL/GenBank/DBJ databases.
CC -----
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CC Distributed under the Creative Commons Attribution-NoDerivs License
CC -----
DB EMBL; AB195259; BAD72789.1; -; Genomic DNA.
DR Ensembl; ENSDARG0000010700; Danio rerio.
DR GO; GO:0005576; C:extracellular region; IEA.
DR GO; GO:0005125; F:cytokine activity; IEA.
DR GO; GO:0006954; P:inflammatory response; IEA.
DR InterPro; IPR010345; IL17.
DR Pfam; PF06083; IL17; 1.
SQ SEQUENCE 212 AA; 23624 MW; 8FED941CB795D53D CRC64;

Query Match 14.18; Score 138.5; DB 2; Length 212;
Best Local Similarity 29.38; Pred. No. 0.00018;
Matches 55; Conservative 17; Mismatches 65; Indels 51; Gaps 11;

QY 20 VVAFLAMVMGTHYSHWSPCCPS----KGQDTSEELRW-STVPVP----- 60
DB 5 VVSTLVLV-----WLWCGSAPGERGQKVSRRAPRTRSCLDLPEEILQMFGRLSVG 56
QY 61 -----PLSPARNRHPEC-----RASED---GPLNSRAISPMRYELDRDLNRLPQDLY 106
DB 57 VLSAFHHTLQLATPERQNLSCGSASRLARDPRTPVNNLLSPWAYRISHDPARYRPLP 116
QY 107 HARCLCPHCVSLOTGSHMDPRGNSELYHNQTVFYR---PCHGEGKTHGKGLRRLYR 163
DB 117 EAYCLCKGSLGNGEESD-RFRSTPVI-MPTVILRTVGVCGV--GRHS---YTESYVS 169
QY 164 VSLACVCV 171
DB 170 IAVGCTCV 177

RESULT 9
Q7TIP7_CHICK
ID Q7TIP7_CHICK PRELIMINARY; PRT; 169 AA.
AC Q7TIP7;
DT 01-OCT-2003, integrated into UniProtKB/TrEMBL.
DT 01-OCT-2003, sequence version 1.
DT 07-FEB-2006, entry version 9.
DE Interleukin 17.
GN Names=IL-17;
OS Gallus gallus (Chicken).
```

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OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Archosauria; Aves; Neognathae; Galliformes; Phasianidae; Phasianinae;
OC Gallus.
OX NCBI_TaxID=9031;
RN [1];
RP NUCLEOTIDE SEQUENCE.
RA Lillehoj H.S., Min W.;
RL Submitted (JUL-2002) to the EMBL/GenBank/DBJ databases.
RN [2];
RP NUCLEOTIDE SEQUENCE.
RA Qin Z.H., Cai J.P., Ye X.H., Wang P.Y., Chen W., Xie M.Q.;
RL Submitted (FEB-2005) to the EMBL/GenBank/DBJ databases.
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CC -----
DB EMBL; AJ493595; CAD38489.1; -; mRNA.
DR HSSP; Q96PD4; IJPY.
DR Ensembl; ENSGALG00000016678; Gallus gallus.
DR GO; GO:0005576; C:extracellular region; IEA.
DR GO; GO:0005125; F:cytokine activity; IEA.
DR GO; GO:0006954; P:inflammatory response; IEA.
DR InterPro; IPR010345; IL17.
DR Pfam; PF06083; IL17; 1.
SQ SEQUENCE 169 AA; 18942 MW; 7EB6E4979A599C14 CRC64;

Query Match 13.9%; Score 136.5; DB 2; Length 169;
Best Local Similarity 25.5%; Pred. No. 0.00021;
Matches 36; Conservative 21; Mismatches 45; Indels 39; Gaps 5;

QY 66 RPNRIPES-----CRASEDG-----PLNSRAISPMRYEL 94
DB 33 RFLGEPESLFKKADAGLCTQDKGKFPQTVRVNISINMNQDTKVTLDISKSLAPWDYRI 92
QY 95 DRDLNRLPQDLYHARCLCPHCVSLOTGSHMDPRGNSELYHNQTVFYRPPCHGEGKTHKG 154
DB 93 DEDHNRFPFLVADACQCHSRVCN--SAGQLDHSVNSVPKQELTLVLRREP----KSCQHS 146
QY 155 YCLERRLYRVSILACVCVRPRV 175
DB 147 YRLEKKM--ITVGCTCVTPLI 165

RESULT 10
Q5XP68_CHICK
ID Q5XP68_CHICK PRELIMINARY; PRT; 169 AA.
AC Q5XP68;
DT 23-NOV-2004, integrated into UniProtKB/TrEMBL.
DT 23-NOV-2004, sequence version 1.
DT 07-FEB-2006, entry version 6.
DE IL-17.
OS Gallus gallus (Chicken).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Archosauria; Aves; Neognathae; Galliformes; Phasianidae; Phasianinae;
OC Gallus.
OX NCBI_TaxID=9031;
RN [1];
RP NUCLEOTIDE SEQUENCE.
RC TISSUE=Cecal tonsil;
RA Geriletu Z., Li X.R.;
RT "Cloning and analysis of chicken IL-17 cDNA.";
RL Submitted (SEP-2004) to the EMBL/GenBank/DBJ databases.
CC -----
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CC -----
DB EMBL; AY744450; AAU95678.1; -; mRNA.
DR GO; GO:0005576; C:extracellular region; IEA.
DR GO; GO:0005125; F:cytokine activity; IEA.
DR GO; GO:0006954; P:inflammatory response; IEA.
DR InterPro; IPR010345; IL17.
DR Pfam; PF06083; IL17; 1.
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Query Match	12.9%	Score 127.5	DB 2	Length 203
Best Local Similarity	29.6%	Pred. No. 0.0018		
Matches	29	Conservative	18	Mismatches 38; Indels 13; Gaps 3

OY	83	NSRAISRWRYELDRDLNRLPDLVHARCLCPHCVCLOTGSHMDPRGNSSELYHNQTVFYR	142
DB	109	NRRSLSPWASINHDENRIFIDIPEARCLCTGCVNPTT--MKEDFSMTSIPIYSKIPVRR	166
OY	143	RPCHG-----EKTHKGCYCLERLRYRVSACVCV	171
DB	167	RLCEGSSSPTRARRRKKCHKEYMAV--MENIavgctci	202

RESULT 12	
IL17D_HUMAN	
ID	IL17D_HUMAN
AC	Q87AD2
DT	26-APR-2004, integrated into UniProtKB/Swiss-Prot.
DT	01-JUN-2002, sequence version 1.
DT	07-FEB-2006, entry version 21.
DE	Interleukin-17D precursor (IL-17D) (Interleukin-27) (IL-27).
GN	Name=IL17D; Synonyms=IL27; ORFName=UNQ3096/PRO21175;
OS	Homo sapiens (Human)
OC	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC	Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Homnidae;
OC	Homo.
OX	NCBI_TaxID=9606;
RN	[1]
RN	NUCLEOTIDE SEQUENCE [MRNA].
RC	TISSUE=Brain;
RA	Hadj-Slimane R., Bobe P.;
RT	"Interleukin 27 (IL27): a newly identified cytokine.";
RL	Submitted (FEB-2002) to the EMBL/GenBank/DBJ databases.
RN	[2]
RN	NUCLEOTIDE SEQUENCE [MRNA], FUNCTION, AND TISSUE SPECIFICITY.
RA	Starnes T., Broxmeyer H.E., Robertson M.J., Hromas R.;
RT	"IL-17D, a novel member of the IL-17 family, stimulates cytokine
RT	production and inhibits hemopoiesis.";
RL	J. Acquir. Immune Defic. Syndr. Hum. Retrovirol. 169:642-646(2002).
RN	[3]
RN	NUCLEOTIDE SEQUENCE [MRNA].
RA	Gilbert J.M., Gorman D.M.;
RL	Submitted (DEC-2001) to the EMBL/GenBank/DBJ databases.
RN	[4]
RN	NUCLEOTIDE SEQUENCE [LARGE SCALE MRNA].
RP	MEDLINE=22887236; PubMed=12975309; DOI=10.1101/gr.1293003;
RX	Clark H.F., Gurney A.L., Abaya E., Baker K., Baldwin D.T., Brush J.,
RA	Chen J., Chow B., Chui C., Crowley C., Currell B., Deuel B., Dowd P.,
RA	Eaton D., Foster J.S., Grimaldi C., Gu Q., Hass P.E., Heldens S.,
RA	Huang A., Kim H.S., Klimowski L., Jin Y., Johnson S., Lee J.,
RA	Leung L., Liao D., Mark M.R., Robbie E., Sanchez C., Schoenfeld J.,
RA	Seehagiri S., Simmons L., Singh J., Smith V., Stinson J., Vagts A.,
RA	Vandlen R.L., Watanabe C., Wleand D., Woods K., Xie M.-H.,
RA	Yanura D.G., Yi S., Yu G., Yuan J., Zhang M., Zhang Z., Goddard A.D.,
RA	Wood W.I., Godowski P.J., Gray A.M.;
RT	"The secreted protein discovery initiative (SPDI), a large-scale
RT	effort to identify novel human secreted and transmembrane proteins: a
RT	bioinformatics assessment.";
RL	Genome Res. 13:2265-2270(2003).
RN	[5]
RN	NUCLEOTIDE SEQUENCE [LARGE SCALE MRNA].
RC	TISSUE=Brain;
RP	MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
RX	Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
RA	Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
RA	Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
RA	Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh P.,
RA	Diatchenko L., Marusina K., Farmer A., Rubin G.M., Hong L.,
RA	Scapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
RA	Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
RA	Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullany S.J.,
RA	Bogak S.A., McSwain P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,

RA Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
RA Vallalón D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
RA Fahey J.J., Helton E., Kettelman M., Madan A., Rodrigues S., Sanchez A.,
RA Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
RA Blakeley R.W., Touchman J.W., Green E.D., Dickson M.C.,
RA Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M.,
RA Butterfield Y.S.N., Krzyzanski M.I., Skalska U., Smalus D.E.,
RA Schnerch A., Schein J.B., Jones S.J.M., Marra M.A.;
RT "Generation and initial analysis of more than 15,000 full-length human
RT and mouse cDNA sequences.";
RL Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903 (2002).
CC -1- FUNCTION: Induces expression of IL-6, IL-8, and GM-CSF from
CC endothelial cells.
CC -1- SUBCELLULAR LOCATION: Secreted protein.
CC -1- TISSUE SPECIFICITY: Expressed preferentially in adipose, skeletal
CC muscle and CNS.
CC -1- SIMILARITY: Belongs to the IL-17 family.
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CC
CC EMBL: AY078238; AAL86911.1; -; mRNA.
DR EMBL: AF479775; AAM12734.1; -; mRNA.
DR EMBL: AF458062; AAM77566.1; -; mRNA.
DR EMBL: AY359113; AAQ9471.1; -; mRNA.
DR EMBL: BC036243; AAH36243.1; -; mRNA.
DR HSSP: Q96PD4; 1JPY.
DR Ensembl: ENSG00000172458; Homo sapiens.
DR HGNC: HGNC:5984; IL17D.
DR MIM: 607597; gene.
DR InterPro: IPR010345; IL17.
DR Pfam: PF06083; IL17; 1.
KW Cytokine; Glycoprotein; Signal.
FT SIGNAL 1 15 Potential.
FT CHAIN 16 202 Interleukin-17D.
FT /FTID=PRO_0000015430.
FT CARBOHYD 68 68 N-linked (GlcNAc...) (Potential).
FT CARBOHYD 181 181 N-linked (GlcNAc...) (Potential).
FT CONFLICT 78 78 A -> G (in Ref. 4).
SQ SEQUENCE 202 AA; 21893 MW; D171C5FB2DD039C3 CRC64;

Query Match 12.8%; Score 126.5; DB 1; Length 202;
Best Local Similarity 27.0%; Pred. No. 0.0022;
Matches 44; Conservative 17; Mismatches 69; Indels 33; Gaps 6;

Qy 36 WPSCCPKSGQ-----DTSELLR-----WSTVPVPPLEPARNRHP 72
Db 14 WAAGAPRAGRPRPGCADRPELLEQLYGLAAGVLSAFHHTLQLGPREQARNASCPA 73
Qy 73 SCRASE---DGPLNSRAISPRYELDRDLNRLPDLYHARCLCHPCVSLQTGSHMDPRGN 129
Db 74 GGRPADRRFRPPTNLRVSVMAYRISYDPARYPRYLPEAYCLRCGLTGLFGEE-DVRF 132
Qy 130 SELLYHNQTVFYRRP-CHGEKTHGKGYCLERLRYVSLACVCV 171
Db 133 SAPVMTVVLRLTPACAGRSVY-----TEAVTIPVGCTCV 170

RESULT 13
ID Q5VU27 HUMAN PRELIMINARY; PRT; 202 AA.
AC Q5VU27;
DT 10-MAY-2005, integrated into UniProtKB/TrEMBL.
DT 10-MAY-2005, sequence version 1.
DT 07-FEB-2006, entry version 6.
DE Interleukin 17D.
GN Name=IL17D; ORFNames=RPL1-261P13.1-001;
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
OC Homo.
OX NCBI_TaxID=9606;
RN [1]
RP NUCLEOTIDE SEQUENCE.
RX MEDLINE=20105548; PubMed=10639155; DOI=10.1073/pnas.97.2.773;
RA Presnell S., Gilbert T., Whitmore T., Foster D., Hart C., Lehner J.,
RA Martinez T., Hoffman R., O'Hara P.;
RA Submitted (SEP-1999) to the EMBL/GenBank/DBJ databases.
RN [2]
RP NUCLEOTIDE SEQUENCE.
RX MEDLINE=20317118; PubMed=10749887; DOI=10.1074/jbc.M910228199;
RA Shi Y., Ullrich S.J., Zhang J., Connolly K., Grzegorzewski K.J.,
RA Barber M.C., Wang W., Wathen K., Hodge V., Fisher C.L., Olsen H.,
RA Ruben S.M., Knyazev I., Cho Y.H., Kao V., Wilkinson K.A.,
RA Carrell J.A., Ebner R.;
RT "A novel cytokine receptor-ligand pair. Identification, molecular
RT characterization, and in vivo immunomodulatory activity.";
RL J. Biol. Chem. 275:19167-19176 (2000).
RN [3]
RP NUCLEOTIDE SEQUENCE.
RX MEDLINE=20105548; PubMed=10639155; DOI=10.1073/pnas.97.2.773;

RP NUCLEOTIDE SEQUENCE.
RA Johnson C.;
RL Submitted (MAY-2005) to the EMBL/GenBank/DBJ databases.
RN [2]
RP NUCLEOTIDE SEQUENCE.
RA Holt K.;
RL Submitted (MAY-2005) to the EMBL/GenBank/DBJ databases.
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CC
CC EMBL: AL512652; CAH71796.1; -; Genomic DNA.
DR EMBL: AL161772; CAH71796.1; JOINED; Genomic_DNA.
DR EMBL: AL161772; CAH70875.1; -; Genomic_DNA.
DR EMBL: AL512652; CAH70875.1; JOINED; Genomic_DNA.
DR Ensembl: ENSG00000172458; Homo sapiens.
DR GO: GO:0005576; C:extracellular region; IEA.
DR GO: GO:0005125; P:cytokine activity; IEA.
DR GO: GO:0006954; P:inflammatory response; IEA.
DR InterPro: IPR010345; IL17.
DR Pfam: PF06083; IL17; 1.
SQ SEQUENCE 202 AA; 21893 MW; D171C5FB2DD039C3 CRC64;

Query Match 12.8%; Score 126.5; DB 2; Length 202;
Best Local Similarity 27.0%; Pred. No. 0.0022;
Matches 44; Conservative 17; Mismatches 69; Indels 33; Gaps 6;

Qy 36 WPSCCPKSGQ-----DTSELLR-----WSTVPVPPLEPARNRHP 72
Db 14 WAAGAPRAGRPRPGCADRPELLEQLYGLAAGVLSAFHHTLQLGPREQARNASCPA 73
Qy 73 SCRASE---DGPLNSRAISPRYELDRDLNRLPDLYHARCLCHPCVSLQTGSHMDPRGN 129
Db 74 GGRPADRRFRPPTNLRVSVMAYRISYDPARYPRYLPEAYCLRCGLTGLFGEE-DVRF 132
Qy 130 SELLYHNQTVFYRRP-CHGEKTHGKGYCLERLRYVSLACVCV 171
Db 133 SAPVMTVVLRLTPACAGRSVY-----TEAVTIPVGCTCV 170

RESULT 14
ID IL17B HUMAN STANDARD; PRT; 180 AA.
AC OSUHP5;
DT 31-JAN-2002, integrated into UniProtKB/Swiss-Prot.
DT 01-MAY-2000, sequence version 1.
DT 07-FEB-2006, entry version 36.
DE Interleukin-17B precursor (IL-17B) (Cytokine-like protein Zcyto7)
DE (Neutrophil interleukin-17-related factor) (Interleukin-20) (IL-20).
GN Name=IL17B; Synonyms=IL20, NIRF, ZCYT07; ORFNames=UNQ516/PRO1031;
OS Homo sapiens (Human).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
OC Homo.
OX NCBI_TaxID=9606;
RN [1]
RP NUCLEOTIDE SEQUENCE.
RA Presnell S., Gilbert T., Whitmore T., Foster D., Hart C., Lehner J.,
RA Martinez T., Hoffman R., O'Hara P.;
RA Submitted (SEP-1999) to the EMBL/GenBank/DBJ databases.
RN [2]
RP NUCLEOTIDE SEQUENCE.
RX MEDLINE=20317118; PubMed=10749887; DOI=10.1074/jbc.M910228199;
RA Shi Y., Ullrich S.J., Zhang J., Connolly K., Grzegorzewski K.J.,
RA Barber M.C., Wang W., Wathen K., Hodge V., Fisher C.L., Olsen H.,
RA Ruben S.M., Knyazev I., Cho Y.H., Kao V., Wilkinson K.A.,
RA Carrell J.A., Ebner R.;
RT "A novel cytokine receptor-ligand pair. Identification, molecular
RT characterization, and in vivo immunomodulatory activity.";
RL J. Biol. Chem. 275:19167-19176 (2000).
RN [3]
RP NUCLEOTIDE SEQUENCE.
RX MEDLINE=20105548; PubMed=10639155; DOI=10.1073/pnas.97.2.773;

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